

BIBLIOGRAPHY OF GEODESY AND GEOPHYSICS IN KOREA(XXVI)

This is the bibliographical compilation of papers in the fields of geodesy and geophysics published in the Republic of Korea during July 1997 to June 1998. Materials were mainly collected from the following publications.

Journal of the Korean Astronomical Society (JKAS)

Journal of the Korean Society of Geodesy, Photogrammetry, and Cartography (JKSGPC)

Journal of the Korean Meteorological Society (JKMS)

Journal of the Korea Water Resources Association (JKWRA)

Journal of Korean Society of Oceanography (JKSO)

The Sea, Journal of Korean Society of Oceanography (Sea)

Journal of the Geological Society of Korea (JGSK)

Economic and Environmental Geology (EEG)

ASTRONOMY

Kim, Yong-Ha (1997): A two Component Model for Jovian UV Auroral Emissions, JKAS, Vol. 30, No. 2, p. 107~114.

Kim, Sungsoo S. and Lee, Hyung-Mok (1997): Core-Collapse Time of Two-Component Star Clusters, JKAS, Vol. 30, No. 2, p. 114~122.

Kyeong, Jae-Mann, Byun, Yong-Ik and Chun, Mun-Suk (1997): Near-Infrared Photometry of Globular Cluster NGC6535, JKAS, Vol. 30, No. 2, p. 123~134.

Lee, See-Woo and R.D. Cannon (1997): The Photographic Photometry of the Globular Cluster NGC 6752*, JKAS, Vol. 30, No. 2, p. 135~154.

Kim, Yong-Ha and Marat Krmoyan (1997): A Design of Small Ultraviolet Telescope on a Korean Satellite: Korean Ultraviolet Telescope (KUT), JKAS, Vol. 30, No. 2, P. 155~164.

Ann, Hong-Bae (1997): Disk Luminosity Profile and Secular Evolution, JKAS, Vol. 30, No. 2, p. 165~180.

Lee, See-Woo, Sung, Hwan-Kyung and Cho, Dong-Hwan (1997): The Luminosity Function and Mass Function for the Praesepe and Hyades Clusters*, JKAS, Vol. 30, No. 2, p. 181~190.

Park, Chang-Bom (1997): A Particle-Mesh Code for the Next Generation Cosmological N-Body Simulations, JKAS, Vol. 30, No. 2, p. 191~200.

Yun, Hong-Sik, Chae, Jong-Chul and

- Poland, A.I. (1998):** Dynamical Characteristics of the Quiet Transition Region: Spatial Correlation Studies of H I 931 and S VI 933 UV Lines, JKAS, Vol. 31, No. 1, p. 1~18.
- Lee, Kang-Hwan, Lee, See-Woo and Sung, Hwan-Kyung (1998):** The CCD Photometry of the Globular Cluster NGC 362, JKAS, Vol. 31, No. 1, p. 18~26.
- Lee, Dong-Wook, Chang, Kyong-Ae and Kim, Sang-Joon (1998):** Binary Microlensing Effects I. Caustics and the Flux Factor K, JKAS, Vol. 31, No. 1, p. 27~38.
- Ann, Hong-Bae, Park, Yoon-Ho and Kang, Yong-Woo (1998):** UVB CCD Photometry of the Open Cluster Berkeley 2, JKAS, Vol. 31, No. 1, p. 39~50.
- Kim, Sang-Chul and Lee, Myung-Gyoon (1998):** Surface Photometry of the Dwarf Elliptical Galaxies NGC 185 and NGC 205, JKAS, Vol. 31, No. 1, p. 51~66.
- Cho, Dong-Hwan, Lee, See-Woo and Sung, Hwan-Kyung (1998):** The VI CCD Photometry of the Globular Cluster M22, JKAS, Vol. 31, No. 1, 67~74
- Coaly Metapelite in the Hoenam area of the Ogcheon Supergroup, Korea, JGSK, Vol. 33, No. 2, p. 55~64.**
- Park, J.W. and Lee, Y.I. (1997):** Lithostratigraphic Revision of the Cretaceous Muju Basin, Korea, JGSK, Vol. 33, No. 2, p. 65~77.
- Ryu, I.C., Doh, S.J., Paik, K.H. and Choi, S.G. (1997):** Stratigraphic Reconsideration of the Permian Jangseong Formation, Samcheog Coalfield, JGSK, Vol. 33, No. 2, p. 78~86.
- Lee, C.H. and Lee, I. (1997):** Epithermal Alteration of the Baegjeon Au-Ag Deposit, Korea: Geochemical and Mineralogical Changes of Carbonate Rocks, JGSK, Vol. 33, No. 2, p. 87~98.
- Sagong, H., Kwon, S.-T., Jeon, E.-Y. and Mertzman, S.A. (1997):** Petrology and Geochemistry of the Hwacheon Granite, JGSK, Vol. 33, No. 2, p. 99~110.
- Kim, K.Y. and Kim, H.G. (1997):** Seismic Velocities and Elastic Moduli of Sedimentary Layers in the Pungam Basin, JGSK, Vol. 33, No. 2, p. 111~116.
- Park, C.-H., Huh, S., Jou, H.-T., Hong, J.-K., Han, S.-J. and Isezaki, N. (1997):** Geological Interpretations Based on Magnetic Anomalies and Seismic Data Offshore Yangyang-Samchuk, the East Sea of Korea, JGSK, Vol. 33, No. 3, P. 117~126.
- Lee, C.H., Lee, H.K. and Shin, M.A. (1997):** Barium-Vanadium Muscovite of

GEOLOGY

Han, S.J., Kim, H.J., Huh, S., Park, C.-H., Kim, S.R., Lee, Y.K., Yoo, H.S., Choi, D.L. and Park, B.K. (1997): Basin Structure of the Northeastern Ulleung Basin (Ulleung and Dok Island Areas). East Sea of Korea, JGSK, Vol. 33, No. 3, p. 127~138.

Lee, K.S., Lee, I., Choi, M.S. and Barg, E.J. (1997): An Environmental Isotopic Study of Precipitation in Cheju Island, Korea. JGSK, Vol. 33, No. 3, p. 139~147.

Oh, J., Park, K.-S. and Park, K.-P. (1997): The Name of the Sedimentary Basins in the Continental Margin of Korea. JGSK, Vol. 33, No. 3, p. 148~159.

Kwon, S.-T. and Ree, J.-H. (1997): A note on the age Honam Shear Zone. JGSK, Vol. 33, No. 4, p. 183~188.

Kim, H.-Y., Oh, J.-K. and Woo, H.J. (1997): Distribution of recent benthic foraminifera in the southwestern continental shelf of the East Sea, Korea. JGSK, Vol. 33, No. 4, p. 189~201.

Yoon, W.S., Kim, H.S. and Kim, J.H. (1997): Application for rock mass classification using RMR-net. JGSK, Vol. 33, No. 4, p. 202~209.

Noh, J.H. and Woo, K.S. (1997): Occurrence, mineral facies, and formation of carbonate concretion from the Yeonil Group, JGSK, Vol. 33, No. 4, p. 210~219.

Seo, K.S. (1997): Conodont fauna from

the Gousung Limestone. Tanyang area, Korea and its biostratigraphic significance. JGSK, Vol. 33, No. 4, p. 220~233.

Ryu, I.C., Doh, S.J. and Choi, S.G. (1997): Carbonate breccias of the Lower Ordovician Maggol Limestone: its genetic origin and stratigraphic significance. JGSK, Vol. 33, No. 4, p. 234~243.

Kim, S.-W. and Kim, I.-S. (1998): Palaeomagnetism of the Triassic Taedong Supergroup in the Chungnam Coal Field Area, SW Okchon Belt. JGSK, Vol. 34, No. 1, p. 1~19.

Hwang, S.K. (1998): Evolution and Type of the Wondong Caldera, Western Yangsan. JGSK, Vol. 34, No. 1, p. 20~32.

Ree, J.-H., Park, Y. and Yi, J.-G. (1998): Measurement of the Orientations of Quartz c-Axes Using Computer-Aided Microscopy: The Simplified CIP Method. JGSK, Vol. 34, No. 1, p. 33~43.

Jeong, G.Y. and Lee, B.Y. (1998): Weathering of Plagioclase in Palgongsan Granite. JGSK, Vol. 34, No. 1, p. 44~57.

Paik, I.S. (1998): Vertic Paleosols from the Sindong Group: Occurrences, Paleoenvironments, and Stratigraphy. JGSK, Vol. 34, No. 1, p. 58~72.

Kim, K.Y., Hong, J.-K. and Kim, K.-H. (1998): In-situ Measurement of Seismic Anisotropy due to Vertical Fractures in the Yangsan Fault Area. JGSK, Vol. 34, No. 1, p. 73~80.

- Lee, Hyun-Koo and Kim, Sang-Jung (1997):** Cu-Pb-Zn Mineralization of the # Cheongsong Mine. EEG, Vol. 30, No. 3, p. 197~207.
- Lee, Chan-Hee and Lee, Hyun-Koo (1997):** Geochemical Behavior, Dispersion and Enrichment of Environmental Toxic Elements in Coaly Metapelites and Stream Sediments at the Hoenam Area, up the Taechong Lake, Korea. EEG, Vol. 30, No. 3, p. 209~222.
- Kim, Kyoung-Woong, Yun, Hye-Su, Yi, Song-Suk and Jung, Kyu-Kui (1997):** Heavy Metal Concentrations of Marine Surface Sediments and Benthic Foraminifera in Southern and Southwestern Coastal Areas of Korea. EEG, Vol. 30, No. 3, p. 223~230.
- Kim, Yeong-Hwa, Jang, Bo-An, Kim, Jae-Dong, Rhee, Chan-Goo and Moon, Byeung-Kwan (1997):** P wave Velocity of the Pochon Granite due to the Cyclic Loadings. EEG, Vol. 30, No. 3, p. 231~240.
- Won, Jong-Suck and Lee, Young-Hoon (1997):** Analysis of Slope Stability by Using Remote Sensing and GIS in Ichon Basin. EEG, Vol. 30, No. 3, p. 241~248.
- Na, Choon-Ki, Lee, In-Seong and Chung, Jae-Il (1997):** Petrogenetic Study on the Foliated Granitoids in the Chonju and Sunchang area (II) -In the Light of Sr and Nd Isotopic Properties-. EEG, Vol. 30, No. 3, p. 249~262.
- Paik, In-Sung, Lee, Joon-Dong, Kim, Jeong-Jin, Kim, In-Soo and Park, Chong-Wook (1997):** Compound Calcrete Deposits from the Dadaepo Formation in Dusong Peninsula, Pusan: Origin, Paleoenvironments, and Stratigraphic Implication. EEG, Vol. 30, No. 3, p. 277~278.
- Lee, Hyun-Koo and Lee, Chan-Hee (1997):** Mineralogy and Geochemistry of Green-colored Cr-bearing Sericite from Hydrothermal Alteration Zone of the Narim Gold Deposit, Korea. EEG, Vol. 30, No. 4, p. 279~288.
- Yun, Seong-Taek and Youm, Seung-Jun (1997):** Temporal Variations of Ore Mineralogy and Sulfur Isotope Data from the Bogut Cobalt Mine, Korea: Implication for Genesis and Geochemistry of Co-bearing Hydrothermal System. EEG, Vol. 30, No. 4, p. 289~301.
- Lee, Chan-Hee, Lee, Sung-Rock, Lee, Chi-Won and Choi, Suck-Won (1997):** Geochemical Variation Glauconite from Continental Shelf of the Yellow Sea, off the SW Korea. EEG, Vol. 30, No. 4, p. 303~312.
- Lee, Kwang-Sik, Cheong, Chang-Sik, Park, Kye-Hun and Chang, Ho-Wan (1997):** Geochemical and Sm-Nd Isotopic Study of Amphibolite from the Muju Area, Korea. EEG, Vol. 30, No. 4, p. 313~320.
- Lee, Kwang-Sik and Chug, Jae-Il (1997):** Stable Isotopic Variation of Precipitation in Pohang, Korea. EEG, Vol. 30, No. 4, p. 321~325.

Lee, In-Ho, Lee, Jae-Yeong and Kim, Tong-Kwon (1997): Geochemical Study on the Quality of Groundwater in Daegu City, Korea, EEG, Vol. 30, No. 4, p. 327~340.

Lee, Pyeong-Koo (1997): The Geochemical Behaviour and Environmental Pollution of Pb, Zn, Mn and Cd in Interstitial Waters and Sediments from a Retention Pond along the A-71 Highway, France, EEG, Vol. 30, No. 4, p. 341~352.

Kim, Yeong-Wa, Jang, Bo-An and Moon, Byeung-Kwan (1997): P Wave Velocity Anisotropy and Microcracks of the Pochon Granite Due to Cyclic Loadings, EEG, Vol. 30, No. 4, p. 353~362.

Kim, Sung-Kyun, Ahn, Kun-Sang and Oh, Jin-yong (1997): Subsurface Geological Structure of the Southwestern Part of Ogcheon Zone by Gravity Survey (1), EEG, Vol. 30, No. 4, p. 363~369.

Lee, Sang-Kyu, Hwang, Se-Ho and Lee, Tai-Sup (1997): Geophysical Applications on the Soil-contamination Mapping and Detection of Buried Mine Tailings in the Abandoned Mine Area, EEG, Vol. 30, No. 4, p. 371~377.

Moon, Kun-Joo (1997): Discussion on Genesis of the Zhezkazgan Copper Deposit in Kazhkan, EEG, Vol. 30, No. 4, p. 379~389.

Park, Maeng-Eon, Kim, Gun-Soo and Choi, In-Sik (1997): Geochemical and Petrographical Studies on the Fergusonite

Associated with the Nb-Y Mineralization Related to the Alkaline Granite, Kyemyeongsan Formation, Korea, EEG, Vol. 30, No. 5, p. 395~406.

Park, Jong-Jin, Kim, Myeong-Kyun and Chon, Hyo-Taek (1997): Dispersion of Heavy Metals in the Geochemical Environment around the Geumwang Gold-Silver Mine, EEG, Vol. 30, No. 5, p. 407~416.

Lee, Chan-Hee, Lee, Hyun-Koo and Kim Kyoung-Woong (1997): Petrochemistry and Environmental Geochemistry of Shale and Coal from the Daedong Supergroup, Chungnam Coal Field, Korea, EEG, Vol. 30, No. 5, p. 417~431.

Pascal Bidaux and Hamm, Se-Yeong (1997): Dual-permeability Fractal Model of Groundwater Flow in Fissured Aquifers, EEG, Vol. 30, No. 5, p. 433~442.

Lee, Gyoo-Ho, Choi, Sun-Kyung, Moon, Hi-Soo and Lee, Sang-Hoon (1997): Mineralogical and Geochemical Characteristics of PFA (Pulverised Fuel Ash) from Yongwol Power Plant, EEG, Vol. 30, No. 5, p. 443~450.

Lee, Heui-Soon and Song, Yoon-Ho (1997): Controlled Source Magnetotellurics with Vector Measurement Using Electric and Magnetic Sources, EEG, Vol. 30, No. 5, p. 451~458.

Kim, Won-Kyun, Lee, Youn-Soo, Won, Joong-Sun, Min, Kyung-Duck and Lee,

- Young-Hoon (1997):** A Study on the Lineament Analysis Along Southwestern Boundary of Okcheon Zone Using the Remote Sensing and DEM Data, EEG, Vol. 30, No. 5, p. 459~467.
- Yoon, Kwang-Jin and Yang, Seung-Jin (1997):** An Experimental Study on Velocity Analysis by Automatic Velocity Analysis Algorithms in Layers Having Lateral Velocity Anomaly, EEG, Vol. 30, No. 5, p. 469~476.
- Song, Suck-Hwan, Choi, Seon-Gyu and Woo, Jun-Gie (1997):** Genetic Implications of Ultramafic Rocks from the Bibong Area in the Kyeonggi Gneiss Complex, EEG, Vol. 30, No. 5, p. 477~491.
- Park, Chan-Young, Kang, Jung-Keuk and Chon, Hyo-Taek (1997):** The Application of SIS (Sequential Indicator Simulation) for the Manganese Nodule Fields, EEG, Vol. 30, No. 5, p. 493~498.
- Choi, Kwang-Jun, Yun, Seong-Taek and So, Chil-Sup (1997):** Fluid Inclusion and Stable Isotope Studies of the Kwangsin Pb-Zn Deposit, EEG, Vol. 30, No. 6, p. 505~517.
- Kim, Kyu-Han and Ha, Woo-Young (1997):** Gas and Fluid Inclusion Studies of the Granitic and Rhyolitic Rocks From the Bupyeong Silver Mine Area, EEG, Vol. 30, No. 6, p. 519~529.
- Moon, Ji-Won, Moon, Hi-Soo, Song, Yun-Goo and Lee, Gyoo-Ho (1997):** Clay Mineral Assemblage and Their Origin of Unconsolidated Sediments of Youngjong Island, Western Part of Korea, EEG, Vol. 30, No. 6, p. 531~541.
- Park, Hee-In, Lee, In-Sung, Hur, Soon-Do and Shin, Dong-Bok (1997):** Talc Mineralization in the Middle Ogcheon Metamorphic Belt (II): Poongjeon Talc Deposit, EEG, Vol. 30, No. 6, p. 543~551.
- Lee, Hyun-Koo and Lee, Chan-Hee (1997):** Geochemical Origin, Behavior and Enrichment of Environmental Toxic Elements in Coaly Metapelite from the Deokpyeong Area, Korea, EEG, Vol. 30, No. 6, p. 553~566.
- Chon, Chul-Min, Moon, Hi-Soo, Choi, Sun-Kyung and Woo, Nam-Chil (1997):** A Study on Soil Clay Minerals and the Distribution of Heavy Metals in Soils Derived from Black Shale and Black Slate in Dukpyoung Area, EEG, Vol. 30, No. 6, p. 567~586.
- Lee, Jin-Soo, Chon, Hyo-Taek and Kim, Kyoung-Woong (1997):** Dispersion and Migration of Potentially Toxic Elements in the Rock-Soil-Plant System from the Boeum Area Underlain by Black Shales, Korea, EEG, Vol. 30, No. 6, p. 587~601.
- Kim, Sang-Jung, Lee, Hyun-Koo and Tersumar Itaya. (1997):** K-Ar ages and Geochemistry for Granitic and Volcanic Rocks in the Euseong and Shinryeong Area, Korea, EEG, Vol. 30, No. 6, p. 603~612.

- Kim, Sung-Wook, Choi, Eun-Kyeong, Jung, Yeon-Kyu and Kim, In-Soo (1997):** Palaeomagnetic Results from the Okchon Belt : Anisotropy of Magnetic Susceptibility (AMS) and Tectonic Stress Field in the Taebaek Area, EEG, Vol. 30, No. 6, p. 613~624.
- Kim, So-Gu and Lee, Seoung-Kyu (1997):** Determination of Lateral Variations for Pn Velocity Structure Beneath the Korean Peninsula Using Seismic Tomography, EEG, Vol. 30, No. 6, p. 625~635.
- Park, Chung-Hwa (1997):** Asymmetric Topography of Active Young Back-arc Basins and Tectonic Implications, EEG, Vol. 30, No. 6, p. 637~644.
- Lee, Hyun-Koo, Kim, Sang-Jung and Kim, Mun-Young (1998):** Copper Mineralization of the Donghwa and Hwanghagsan Mine, EEG, Vol. 31, No. 1, p. 1~10.
- Jeong, Chan-Ho, Cho, Young-Hwan and Hahn, Pil-Soo (1998):** Influence of Ionic Strength, pH, and Complex-forming Anions on the Adsorption of Cesium-137 and Strontium-90 by Kaolinite, EEG, Vol. 31, No. 1, p. 11~20.
- Kim, So-Gu, Lee, Seoung-Kyu, Jun, Myung-Soon and Kang, Ik-Bum (1998):** Crustal Structure of the Korean Peninsula from Broadband Teleseismic Records by Using Receiver Function, EEG, Vol. 31, No. 1, p. 21~29.
- Kim, In-Soo, Son, Moon, Jung, Hyun-Jung, Lee, Joon-Dong, Kim, Jeong-Jin and Paik, In-Sung (1998):** Geological Characteristics of Kyongju-Ulsan Area : Palaeomagnetism and Magnetic Susceptibility of the Granitic Rocks in the Ulsan Fault Area, EEG, Vol. 31, No. 1, p. 31~43.
- Doh, Seong-Jae, Park, Yong-Hee and Kim, Ji-Youn (1998):** A Paleomagnetic Study of the Tonggo Formation in Tanyang Area, EEG, Vol. 31, No. 1, p. 45~52.
- Hwang, Hak-Soo and Lee, Sang-Kyu (1998):** A Study on Sensor Motion-Induced Noise Reduction for Developing a Moving Transient Electromagnetic System, EEG, Vol. 31, No. 1, p. 53~57.
- Kwon, Byung-Doo, Seo, Jung-Hee and Oh, Seok-Hoon (1998):** Gravity, Magnetic and VLF Explorations in the Seokdae Landfill, Pusan, EEG, Vol. 31, No. 1, p. 59~68.
- Seo, Kyoung-Won, Chi, Jeong-Mahn and Jang, Yoon-Ho (1998):** Geochemical Relationship Between Sediments and Near Terrestrial geology in Byunsan-Taeon Area, West Coast of Korea, EEG, Vol. 31, No. 1, p. 69~84.
- Choi, Seon-Gyu and Choi, In-Sik (1998):** Composition Variations of Arsenopyrite from Gold-Silver Deposits in Korea, EEG, Vol. 31, No. 2, p. 88~99.
- Chung, Jae-II, Lee, Mu-Seong and Na, Choon-KI (1998):** Geochemical Study on

the Uranium Anomaly around the Shinbo Talc Mine (I) -In the Light of Hydrochemical Properties-, EEG, Vol. 31, No. 2, p. 101~110.

Lee, Chan-Hee, Lee, Hyun-Koo, Yoo, Bong-Cheal and Cho, Ae-Ran (1998): Geochemical Enrichment and Migration of Environmental Toxic Elements in Stream Sediments and Soils from the Samkwang Au-Ag Mine Area, Korea, EEG, Vol. 31, No. 2, p. 111~125.

Kim, So-Gu and Qinghe Li (1998): 3-D Crustal Velocity Tomography in the Southern Part of The Korean Peninsula, EEG, Vol. 31, No. 2, p. 127~139.

Park, Jung-Hwan and Han, Uk (1998): A Study on the Earth Tide Variations by ET Gravimeter, EEG, Vol. 31, No. 2, p. 141~147.

Kim, Kyu-Han, Tsuyoshi Tanaka and Keisuke Nagao (1998): Nd and Sr Isotopes and K-Ar Ages of the Granitic and Rhyolitic Rocks from the Bupyeong Silver Mine Area, EEG, Vol. 31, No. 2, p. 149~158.

Hwang, Jeong and Lee, Jong-Ik (1998): Hydrothermal Alteration and Mineralization in the Granodioritic Stock of the Barton Peninsula, King George Island, Antarctica, EEG, Vol. 31, No. 3, p. 171~183.

Yun, Seong-Taek, Koh, Yong-Kwon, Kim, Chun-Soo and So, Chil-Sup (1998): Geochemistry of Geothermal Waters in Korea: Environmental Isotope and

Hydrochemical Characteristics I. Bugok Area, EEG, Vol. 31, No. 3, p. 185~199.

Yun, Seong-Taek, Koh, Yong-Kwon, Choi, Hyen-Su, Youm, Seung-Jun and So, Chil-Sup (1998): Geochemistry of Geothermal Waters in Korea: Environmental Isotope and Hydrochemical Characteristics II. Jungwon and Munkyeong Areas, EEG, Vol. 31, No. 3, p. 201~213.

Hong, Young-Kook, Kim, Sung-Oh and Kim, Tong-Kwon (1998): Radon-222 Concentrations of Metropolitan Subway Stations and Soils in the Seoul, EEG, Vol. 31, No. 3, p. 215~222.

Lee, Jae-Yeong, Lee, In-Ho and Kim, Suk-Ki (1998): Geochemical Study on Heavy Metal Pollution of Plants at Dalseong Abandoned Mine, EEG, Vol. 31, No. 3, p. 223~233.

Kim, So-Gu and Qinghe Li (1998): 3-D Crustal Velocity Tomography in the Central Korean Peninsula, EEG, Vol. 31, No. 3, p. 235~247.

Sung, Jong-Gyu, Kim, Jin-Seop and Lee, Joon-Dong (1998): Petrochemical Study on the Cretaceous Volcanic Rocks in Kyeongsang Basin, Korea: Possibility of Magma Heterogeneity, EEG, Vol. 31, No. 3, p. 249~264.

Park, Seong-Sook, YuN, Seong-Taek and So, Chil-Sup (1998): Introduction to a New Sample Preparation Apparatus (H/Device) for Measurement of Hydrogen

Isotope Composition of Natural Water, EEG, Vol. 31, No. 3, p. 265~271.

METEOROLOGY

Yun, Jin-Il, Hwang, Kyu-Hong, Chung, Hyun-Hyang, Shin, Man-Yong, Lim, Jung-Taeg and Shin, Jin-Chul (1997): Effects of an Artificial Lake on the Local Climate and the Crop Production in Suncheon Areas, JKMS, Vol. 33, No. 3, p. 409~427.

Lee, Myeong-In and Kang, In-Sik (1997): Temperature Variability and Warming Trend in Korea Associated with Global Warming, JKMS, Vol. 33, No. 3, p. 429~443.

Lee, Young-Hee and Park, Soon-Ung (1997): Modification of Boundary Layer by a Change of Surface Roughness, JKMS, Vol. 33, No. 3, p. 445~456.

Park, Hye-Sook and Kim, Kyung-Eak (1997): The Formation and Development of Convective Clouds over the Western Pacific Warm Region, JKMS, Vol. 33, No. 3, p. 457~475.

Choi, Jae-Chean, Lee, Min-Young, Kim, San and Kim, Seong-Kyun. (1997): A Study on Chemical Compositions of Precipitation from 1991 to 1995 at Mt. Sobaek Area, JKMS, Vol. 33, No. 3, p. 477~486.

Ahn, Joong-Bae, Ryu, Jung-Hee, Cho, Eek-Hyun, Park, Joo-Young and Ryoo, Sang-Boom (1997): A Study on Correlations between Air-Temperature and Precipitation in Korea and SST over the Tropical Pacific, JKMS, Vol. 33, No. 3, p. 487~495.

Noh, Yign, Kim, Hyoung-Jin and Yang, Kyung-Soo (1997): Large Eddy Simulation of a Two-Dimensional Thermal, JKMS, Vol. 33, No. 3, p. 497~508.

Ahn, Joong-Bae, Park, Hyeel-Sun, Lee, Hyo-Sin, Lee, Woo-Sung and Kim, Jeong-Woo (1997): A Study of Climate Drift in Atmosphere and Ocean GCMs, JKMS, Vol. 33, No. 3, p. 509~520.

Chun, Hye-Yeong and Kim, Seung-Bai (1997): Sensitivity of the Biosphere-Atmosphere Transfer Scheme (BATS) to the Parameter Values for Suwon Province, JKMS, Vol. 33, No. 3, p. 521~534.

Choi, Soon-Hee, Park, Sang-Goon and Kim, Kyung-Eak (1997): Estimations of Horizontal Wind Fields by VAP Method, JKMS, Vol. 33, No. 3, p. 535~551.

An Xie, Chung, Yong-Seung, Xia Liu and Qian Ye. (1997): On the Interannual Variations of the Summer Monsoon Onset over the South China Sea, JKMS, Vol. 33, No. 3, p. 553~567.

Hong, Jin-Kyu, Choi, Tae-Jin and Kim, Joon (1997): Evapotranspiration from Plants into the Atmosphere: Micro-meteorological Perspectives, JKMS, Vol. 33, No. 3, p. 569~579.

- Cheong, Hyeong-Bin (1997):** Excitation of Rossby-Haurwitz Waves by Localized Band-Frequency Forcing, JKMS, Vol. 33, No. 3, p. 581~593.
- Chung, Yong-Seung (1997):** On the Observations of Visibility Impairment in the Chongju-Chongwon Area, JKMS, Vol. 33, No. 4, p. 595~608.
- Lee, Mi-Seon, Yuanfu Xie, A.E. MacDonald (1997):** Numerical Experiments for Variational Data Assimilation Using Shallow Water Equations Model and Its Adjoint Model, JKMS, Vol. 33, No. 4, p. 609~626.
- Huang, Rong-Hui and Moon, Sung-Eui, Kim, Baek-Jo and Yoo, Chan-Soo (1997):** Recent Progresses and Problems in the Study of the East Asian Summer Monsoon, JKMS, Vol. 33, No. 4, p. 627~639.
- Lee, Bo-Ram, Park, Soo-Ung (1997):** Method for Forecasting Air Pollution Potential Using Synoptic Meteorological Conditions, JKMS, Vol. 33, No. 4, p. 641~656.
- Lee, Eun-Joo, Kim, Hae-Gu and Min, Kyung-Duck (1997):** A Case Study on the Summer Extraordinary Low Temperature in the Korean Peninsula and the Characteristics of Atmospheric Circulation over East Asia, JKMS, Vol. 33, No. 4, p. 657~675.
- Ha, Kyung-Ja, Kim, Ki-Young and Yeo, Mee-Hyun (1997):** An Estimation of the Radius of Maximum wind in Typhoon using GMS TBB, JKMS, Vol. 33, No. 4, p. 677~690.
- Jhun, Jong-Ghap and Moon, Byung-Kwon (1997):** Restorations and Analyses of Rainfall Amount Observed by Chukwoo-kee, JKMS, Vol. 33, No. 4, p. 691~707.
- Ahn, Joong-Bae, Park, Hyei-Sun and Kim, Jeong-Woo (1997):** On the Intraseasonal Oscillation in CGCM Tr7W6, JKMS, Vol. 33, No. 4, p. 709~723.
- Ahn, Joong-Bae, Ryu, Jung-Hee and Yoon, Yong-Hun (1997):** Comparative Analysis and Estimates of Heat Fluxes Over the Ocean Around Korean Peninsula, JKMS, Vol. 33, No. 4, p. 725~736.
- Heo, So-Jeong, Ha, Kyung-Ja and Moon, Sung-Eui (1997):** Characteristic Features of the East Asian Summer Monsoon During 1993 and 1994, JKMS, Vol. 33, No. 4, p. 737~751.
- So, Seun-Seup, Shin, Hong-Ryeol, Kim, Myoung-Hwan, Yun, Sung-Suk, Son, Jeong-Ho, Yoon, Jin-Seok, Jin, Su-Kwaong and Jeon, Chang-Koun (1997):** Internal Structure of Baroclinic Wave in Rotating Annulus, JKMS, Vol. 33, No. 4, p. 753~764.
- Lee, Jae-Gyoo (1997):** Numerical Simulation Experiments of the Variation of the Subtropical High in Summer, JKMS, Vol. 33, No. 4, p. 765~780.
- Lim, Gyu-Ho, Seo, Ae-Sook and Lee, Yong-Sup (1997):** Relationship between the Precipitation Amounts over the Korean Peninsula and its Adjacent Seas, JKMS, Vol. 33, No. 4, p. 781~795.

Kim, Baek-Jo, Moon, Sung-Eui, Ronghui Huang and Riyu Lu (1997): Influence of the SST Anomalies in the Equatorial Pacific on the Summertime Atmospheric Circulation over East Asia and Summer Rainfall in Korea, JKMS, Vol. 33, No. 4, p. 797~805.

Kim, Hye-Young, Sohn, Byung-Je and Oh, Jae-Ho (1997): Water Balance of Typhoon Robyn (9307) Determined from SSM/I Data, JKMS, Vol. 33, No. 4, p. 781~795.

Lee, Seung-Woo and Lee, Dong-Kyou (1998): Numerical Experiment of Local Atmospheric Circulation on the Effects of Land-cover and Terrain Over the Metropolitan Area, JKMS, Vol. 34, No. 1, p. 1~19.

Kwon, Tae-Tong, Oh, Sung-Nam and Park, Sang-Wook (1998): Long-term Variability and Regional Characteristics of Summer Rainfall in Korea, JKMS, Vol. 34, No. 1, p. 20~30.

Kim, Jeong-Hee, Lee, Dong-In and Lee, Kwang-Mok (1998): Studies on the Structure and Characteristics of the Development and Disappearance of Tropical Clouds Cluster by Using Dual-Doppler Radars(Part I), JKMS, Vol. 34, No. 1, p. 31~46.

Kim, Hae-Gu, Min, Kyung-Duck, Yoon, Il-Hee, Moon, Young-Soo and Lee, Dong-In (1998): Characteristics of the Extraordinary High Temperature Events Occurred in Summers of 1987 and 1994

over the Korean Peninsula, JKMS, Vol. 34, No. 1, p. 47~64.

Joh, Min-Su, Kim, Jeong-Woo and Chung, Il-Ung (1998): The Numerical Simulation of the Desertification Induced by Global Warming, JKMS, Vol. 34, No. 1, p. 65~74.

Lee, Hwa-Woon, Lee, Dong-Gyu, Lee, Tae-Young, Kim, Yoo-Keun, Won, Gyeong-Mee and Han, Han-Woo (1998): A Numerical Simulation for Flow Current in Coastal Urban Area, JKMS, Vol. 34, No. 1, p. 75~86.

Lee, Kwang-Mog, Kim, Ju-Kong, Kim, Kyung-Eak, Min, Kyung-Duk, Lee, Dong-In, Park, Jae H., Cho, Hi-Ku and Tatsuya Yokota. (1998): Experiments on the Retrieval of Ozone and Methane Mixing Ratios using the Onion Peeling Method in the Stratosphere, JKMS, Vol. 34, No. 1, p. 87~101.

Kim, Kyung-Eak, Choi, Soon-Hee, Min, Kyung-Duck, Lee, Kwang-Mok, Lee, Dong-In, Moon, Young-Soo and Yoon, Ill-Hee (1998): Analysis of Wind Fields of Tropical Mesoscale Cloud Systems by Dual-Doppler Radar Method, JKMS, Vol. 34, No. 1, p. 102~121.

Ho, Chang-Hoi, Kim, Kyu-Myong, Han, Dae-Soo and Ahn, Myoung-Hwan (1998): A Stratosphere-Troposphere Temperature Seesaw and Its Connection with Total Ozone over Korea, JKMS, Vol. 34, No. 1, p. 122~127.

- Kim, Min-Jeong and Lee, Dong-Kyou (1998):** The Study on Local Circulation and Orographic Precipitation Over the Southwestern Korea Peninsula, JKMS, Vol. 34, No. 1, p. 128~146.
- Moon, Sung-Eui, Kim, Baek-Jo and Park, Tae-Og (1998):** Simulation and Forecast of Wind Speed using Time Series Model, JKMS, Vol. 34, No. 1, p. 147~153.
- Kim, Yeon-Hee and Baik, Jong-Jin (1998):** Effects of Background Stability on Density Currents, JKMS, Vol. 34, No. 1, p. 154~168.
- Oh, Jai-Ho, Chung, Sung-Rae and Jung, Jun-Hee (1998):** Study on UV-Index Forecast Using UV-B Radiative Transfer Model, JKMS, Vol. 34, No. 1, p. 169~175.
- Moon, Sung-Eui, Kim, Baek-Jo, Kim, Heon-Ae, Seo, Eun-Jin, Zhou Liu and Bin Wang. (1998):** Numerical Forecasting of Typhoon Tracks with Adaptive Grid Model, JKMS, Vol. 34, No. 2, p. 177~189.
- Kim, Yoo-Keun, Lee, Hwa-Woon and Moon, Yun-Seob (1998):** A Study on Sensitivities of the Damaging UV-B in Pusan Area, JKMS, Vol. 34, No. 2, p. 190~204.
- Kim, Si-Wan, Chun, Hye-Yeong and Park, Soon-Ung (1998):** The Resonance Condition and Energy Spectrum of Internal Gravity Waves in the Overlying Inversion of the Convective Boundary Layer without Mean Wind Shear, JKMS, Vol. 34, No. 2, p. 205~215.
- Yun, Jin-Il, Cho, Kyung-Sook, Hwang, Heon, Park, Eun-Woo and Cho, Seong-In (1998):** Estimating Microclimatic Elements of a Fully Developed Paddy Rice Canopy Based on Standard Weather Data, JKMS, Vol. 34, No. 2, p. 216~221.
- Lim, Gyu-Ho and Kwon, Hyeok-Joe (1998):** Diurnal Variation of Precipitations over south Korea and its Implication, JKMS, Vol. 34, No. 2, p. 222~237.
- Yoo, Jung-Moon, Kim, Kyu-Myong, Jung, Jung-Ok and Ho, Chang-Hoi (1998):** Empirical Orthogonal Analysis of Microwave Brightness Temperature at 53.74GHz over the Oceans and Sea Surface Temperature, JKMS, Vol. 34, No. 2, p. 238~257.
- Kwon, H. Joe (1998):** Error Analysis of Typhoon Movement Report from RSMC Tokyo, JKMS, Vol. 34, No. 2, p. 258~262.
- Ahn, Joong-Bae and Kim, Jeong-Woo (1998):** Long-term Responses of CGCM Tr7W6 to Gradual Increase of CO₂: Part I. Annual Trends of Climate Variables, JKMS, Vol. 34, No. 2, p. 263~271.
- Cho, Hi-Ku, Kwon, Hyo-Jung and Choi, Chi-Young (1998):** Increase of the Surface Erythemat Ultraviolet-B Radiation by the Ozone Layer Depletion, JKMS, Vol. 34, No. 2, p. 272~281.
- Cho, Hi-Ku, Lee, Seung-Man, Lee, Kyu-Tae, Chung, Sung-Rae and Jeong, Myeong-Jae (1998):** Optical Properties of

Water Cloud in the Visible and Infrared Radiation, JKMS, Vol. 34, No. 2, p. 282~292.

Oh, Sung Nam, Ha, Kyung-Ja, Kim, Ki-Young and Kim, Jeong-Woo (1998): Effects of Land Hydrology in Northeastern Asia in a Doubling CO₂ Climate Experiment, JKMS, Vol. 34, No. 2, p. 293~305.

Park, Sang-Goon, Kim, Kyung-Eak, Min, Kyung-Duck, Moon, Young-Soo and Lee, Dong-In (1998): Wind Field Retrieval by Doppler radar on Gold Frontal System, JKMS, Vol. 34, No. 2, p. 306~318.

Choi, Hyo, Kim, Jeong-Woo and Shunji Takahashi (1998): Three-dimensional Numerical Prediction of Fog Formation over Coastal Complex, JKMS, Vol. 34, No. 2, p. 319~335.

Park, Hyo-Sook, Chung, Hyo-Sang, Lee, Hee-Hun and Suh, Ae-Sook (1998): On the Policy of Korea Meteorological Satellite Possession, JKMS, Vol. 34, No. 2, p. 336~345.

Shoh, Keon-Tae, Baik, Jee-Seon, Kim, Heon-Ae and Oh, Jai-Ho (1998): Analysis of Typhoon Track Patterns using the Statistical Multivariate Data Analysis, JKMS, Vol. 34, No. 2, p. 346~354.

HYDROLOGY

Yoon, Yong-Nam, Ahn, Jae-Hyun and Lee, Dong-Ryul (1997): An Analysis of

Drought Using the Palmer's Method, JKWRA, Vol. 30, No. 4, p. 317~326.

Suh, Young-Jea (1997): A Study on Parameters-Calibration for the Tank Model, JKWRA, Vol. 30, No. 4, p. 327~334.

Ahn, Sang-Jin, Yon, Kee-Seuk, Kim, Jong-Sub and Kim, Ung-Yong (1997): Scour around Bridge Piers in the Stage Hydrograph, JKWRA, Vol. 30, No. 4, p. 335~346.

Park, Bong-Jin, Cha, Hyung-Sun and Kim, Ju-Hwan (1997): A Study on Parameters Estimation of Storage Function Model Using the Genetic Algorithms, JKWRA, Vol. 30, No. 4, p. 347~356.

Jo, Hong-Je and Kim, Jung-Sik (1997): A Study on the Calculation of Effective Rainfall by the SOS method using a Triangular Irregular Network, JKWRA, Vol. 30, No. 4, p. 357~366.

Kim, Tai-Yoo, Yoo, Seung-Hoon and Heo, Eunn-Yeong (1997): The Role of Water Utility Industry to the National Economy, JKWRA, Vol. 30, No. 4, p. 367~378.

Im, Sang-Jun, Park and Seung-Woo (1997): Estimating Runoff Curve Numbers for Paddy Fields, JKWRA, Vol. 30, No. 4, p. 379~388.

Yoon, Yong-Nam and Kim, Jae-Hyung (1997): Hydrometeorological Characteristics of the Heavy Storm of July, 1996 in the

- Hantan Basin, JKWRA, Vol. 30, No. 4, p. 389~400.
- Lee, Kwan-Soo, Lee, Young-Seok, and Jeong, Byoung-Keon (1997):** A Study on the Bed Change in Reservoirs, JKWRA, Vol. 30, No. 4, p. 401~410.
- Han, Kun-Yeun and Kim, Sang-Ho (1997):** Water Quality Forecasting System by Reliability Analysis in the Nakdong River, JKWRA, Vol. 30, No. 4, p. 411~422.
- Kim, Tai-Cheol, Park, Seoung-Ki and Moon, Jong-Pil (1997):** Estimation of Curve Number by DAWAST Model, JKWRA, Vol. 30, No. 5, p. 423~430.
- Shim, Soon-Bo, Kim, Sun-Koo, Park, Ro-Hyuk and Koh, Deuk-Koo (1997):** Decision Support System for Real-Time Operation of Reservoir during Flood Period, JKWRA, Vol. 30, No. 5, p. 431~440.
- Yoo, Chul-Sang (1997):** Application of Multi-Dimensional Precipitation Models to the Sampling Error Problem, JKWRA, Vol. 30, No. 5, p. 441~448.
- Bae, Dug-Hyo (1997):** Development of Stochastic Real Time Flood Forecast System by Storage Function Method, JKWRA, Vol. 30, No. 5, p. 449~458.
- Lee, Sang-Il, Jang, Yeon-Su and Kim, Sun-Gi (1997):** NAPI, Removal from Contaminated Soil Using Steam Injection, JKWRA, Vol. 30, No. 5, p. 459~466.
- Kim, Das-Geun and Seo, Il-Won (1997):** Analysis of Velocity Structure of Round Wall Jet, JKWRA, Vol. 30, No. 5, p. 467~476.
- Yoon, Yong-Nam, Lee, Jae-Soo and Ho, Jung-Seok (1997):** Estimation of Scour Depth at Bridges and Comparative Analysis between Estimated and Measured Scour Depths, JKWRA, Vol. 30, No. 5, p. 477~486.
- Cho, Yong-Sik and Lee, Bong-Hee (1997):** Maximum Run Up Heights of Single Waves, JKWRA, Vol. 30, No. 5, p. 487~494.
- Kim, Kyong-Ha and Woo, Bo-Myeong (1997):** Measurement and Modelling of Rainfall Interception in *Quercus mongolica* and *Pinus rigitaeda* during the Rainy Season, JKWRA, Vol. 30, No. 5, p. 503~514.
- Cho, Hong-Je, Cho, In-Ryul and Kim, Jung-Sik (1997):** A Study on the Rainfall Runoff Analysis using the TOPMODEL, JKWRA, Vol. 30, No. 5, p. 515~526.
- Shim, Myung-Pil, Lee, Bong-Hee and Kim, Kyung-Lak (1997):** A Study on the Reliability Analysis for Water Supply on Reservoir System, JKWRA, Vol. 30, No. 5, p. 527~538.
- Kim, Sang-Hyun (1997):** Application of TOPMODEL at Artificially Drained Watershed, JKWRA, Vol. 30, No. 5, p. 539~548.

Hwang, Eui-Joon and Jun, Kyung-Soo (1997): Unsteady Flow Model for the Main Reach of the Han River, JKWRA, Vol. 30, No. 5, p. 549~560.

Yoon, Sei-Eui, Lee, Jong-Tae and Jung, Jae-Wook (1997): Estimation of Sediment Transport and Influence Factor for the Prediction of Riverbed Changes, JKWRA, Vol. 30, No. 5, p. 561~574.

Lee, Sang-Ho, Kim, Young-Seong and Shin, Yong-Lo, (1997): A Research on the Daily Runoff Simulation for the Downstream Region of Multipurpose Dams in the Han River, JKWRA, Vol. 30, No. 6, p. 575~586.

Park, Jae-Hyeon, Yun, Soung-Yong, Kim, Sang-Joon and Sonu, Jung-Ho (1997): Measurement of Soil Water Content by Time Domain Reflectometry, JKWRA, Vol. 30, No. 6, p. 587~596.

Pyo, Young-Pyoung, Shin, Cheol-Shik and Bae, Yeol-Ho (1997): Prediction Models for Channel Bed Evolution Due to Short Term Floods, JKWRA, Vol. 30, No. 6, p. 597~610.

Lee, Jea-Hyoung and Park, Jong-Chan (1997): The Estimation of Design Tide Level over the West Coast of Korea Based on the Kriging Model, JKWRA, Vol. 30, No. 6, p. 611~620.

Ahn, Myung-Kil and Jun, Byong-Ho (1997): Estimation of Suspended Solid Concentration Caused by Stream Bed

Excavation Works through the Application of the Fickian Diffusion Model, JKWRA, Vol. 30, No. 6, p. 621~628.

Lee, Gwang-Man and Yi, Jae Eung (1997): Large Scale Multi Reservoirs System Analysis for Water Budget Evaluation, JKWRA, Vol. 30, No. 6, p. 629~640.

Moon, Young-Il (1997): How to Measure Nonlinear Dependence in Hydrologic Time Series, JKWRA, Vol. 30, No. 6, p. 641~648.

Kim, Dae-Geun, Seo, Il-Won, Back, Kyong-Ou and Sonu, Jung-Ho (1997): Prediction of Influence of Polluted Water Discharged from Saemankeum Lake, JKWRA, Vol. 30, No. 6, p. 649~660.

Kim, Jin-Hong (1997): Hydraulic Characteristics of Fluid-Granule Mixed Flow in Embankment of Noncohesive Materials Due to Overflow, JKWRA, Vol. 30, No. 6, p. 661~672.

Lee, Sang-Ho, (1998): Flood Simulation with the Variation of Runoff Coefficient in Tank Model, JKWRA, Vol. 31, No. 1, p. 3~12.

Ahn, Kyung-Soo and Kim, Ju-Hwan (1998): A study on the Simulation of Runoff Hydrograph by Using Artificial Neural Network, JKWRA, Vol. 31, No. 1, p. 13~26.

Kim, Chul (1998): Geographic Information System Application to Wellhead Protection

Area Delineation, JKWRA, Vol. 31, No. 1, p. 27~34.

Shim, Soon-Bo, Lee, Yo-Sang and Koh, Deuk-Koo (1998): System Development for the Estimation of Pollutant Leads on Reservoir, JKWRA, Vol. 31, No. 1, p. 35~44.

Seong, Kee-Won (1998): Calibration of the Ridge Regression Model with the Genetic Algorithm : Study on the Regional Flood Frequency Analysis, JKWRA, Vol. 31, No. 1, p. 59~70.

Lee, Kil-Seong, Kang, Ju-Whan, Kim, Nam-Il and Hwang, Man-Ha (1998): Low Flow Analysis of the Nakdong River Basin by SSARR-8 Model, JKWRA, Vol. 31, No. 1, p. 71~84.

Kim, Hyung-Il, Lee, Jong-Seol, Heo, Jun-Haeng and Cho, Won-Cheol (1998): A Study on the Contaminant Transport Characteristics in Han River, JKWRA, Vol. 31, No. 1, p. 85~94.

Lee, Gwang-Man and Lee, Woo-Seok (1998): Long-term Prediction of Dam Sedimentation Using Sluicing Efficiency Curve and Dam Operation Technique, JKWRA, Vol. 31, No. 1, p. 95~104.

Kwon, Oh-Ig and Shim, Myung-Pil (1998): Reservoir Operation at Flood Time by Transformed Reservoir Flood(TRF) Reservoir Operation Method(ROM), JKWRA, Vol. 31, No. 1, p. 105~114.

Seo, Sang-Won and Yoon, Byung-Man (1998): Sensitivity Analysis of Parameters in a Depth Averaged Two-Dimensional Sediment Transport Model, JKWRA, Vol. 31, No. 1, p. 115~122.

Park, Jae-Hyeon and Yun, Soung-Yong (1998): A Study on the Measurement of Soil Water Concentration by Time Domain Reflectometry, JKWRA, Vol. 31, No. 2, p. 123~132.

Shim, Ho (1998): A Study on the Effective Operation of Pump Stations, JKWRA, Vol. 31, No. 2, p. 133~144.

Yoo, Chul-Sang and Shin, Sa-Chul (1998): First and Second Order Statistics of Washita '92 Soil Moisture Data, JKWRA, Vol. 31, No. 2, p. 145~154.

Yoon, Yeo-Jin, Choi, Myung-Soo, Bang, Ki-Woong and Lee, Jun-Ho (1998): A Study on the Water Supplies and Sewage Amount in the Apartment Complexes, JKWRA, Vol. 31, No. 2, p. 155~166.

An, Jung-Gi and Choi, Moo-Woong (1998): The Formation of Transient Saturation Zone and the Subsurface flow on the Steep Hillslope by Rains, JKWRA, Vol. 31, No. 2, p. 167~176.

Lee, Do-Hun, Lee, Eun-Tae, Jeong, Sang-Man and Moon, Soo-Nam (1998): Comparison between the Spatially integrated Model and the spatially Distributed Model in the Nonpoint Contaminants Source of Groundwater, JKWRA, Vol. 31, No. 2, p. 177~188.

- Cho, Hong-Je and Cho, In-Ryul (1998):** Flood Runoff Analysis using a Distributed Rainfall Runoff Model. JKWRA, Vol. 31, No. 2, p. 199~208.
- Lee, Kil-Seong, Oh, Seong-Taek and Hwang, Seung-Yong (1998):** Variation of Salt Concentration for the Intruded Sea Water in the Kyongin Navigation Channel. JKWRA, Vol. 31, No. 2, p. 209~222.
- Jeong, Yeon-Tae (1998):** Nonlinear Interaction between the Permeable Submerged Breakwater and Third Order Stokes Waves. JKWRA, Vol. 31, No. 3, p. 223~234.
- Lee, Joo-Heon, Lee, Eun-Tae, Lee, Do-Hun and Kim, Nam-Won (1998):** Flood Analysis in the Tidal Reaches of the Nakdong River. JKWRA, Vol. 31, No. 3, p. 235~242.
- Seo, Kyu-Woo and Cho, Won-Cheol (1998):** The Sensitivity Analysis of Parameters of Urban Runoff Models due to Variations of Basin Characteristics(I)-Development of Sensitivity Analysis Method. JKWRA, Vol. 31, No. 3, p. 243~252.
- Seo, Kyu-Woo and Heo, Jun-Haeng (1998):** The Sensitivity Analysis of Parameters of Urban Runoff Models due to Variations of Basin Characteristics(II) Model Calibration and Application. JKWRA, Vol. 31, No. 3, p. 253~268.
- Choi, In-Ho, Park, Young-Jin and Song, Jai-Woo (1998):** Experimental Study for Protection of Local Scouring around Bridge Pier in a Curve Channel. JKWRA, Vol. 31, No. 3, p. 269~278.
- Lee, Kil-Seong and Lee, Sung-Tae (1998):** Two-Dimensional Pinte Volume Unstead-Flow Model for Shocks. JKWRA, Vol. 31, No. 3, p. 279~290.
- Jung, Jae-Wook and Yoon, Sei-Eui (1998):** An Experimental Study on the Characteristics of Flow and Bed Topography with Changing Bed Material in a Curved Channel. JKWRA, Vol. 31, No. 3, p. 291~302.
- Kim, Seong-Joon (1998):** Grid-Based KIneMatic Wave STOrm Runoff Model (KIMSTORM) (I)-Theory and Model-. JKWRA, Vol. 31, No. 3, p. 303~308.
- Kim, Seong-Joon, Chae, Hyo-Seok and Shin, Sa-Chul (1998):** Grid-Based KIneMatic Wave STOrm Runoff Model (KIMSTORM)(II) Application(Applied to Yoncheon Dam Watershed). JKWRA, Vol. 31, No. 3, p. 309~316.
- Cho, Yong-Joon and Kim, Jong-Moon (1998):** Water Supply Forecast Using Multiple ARMA Model Based on the Analysis of Water Consumption Mode with Wave Transform. JKWRA, Vol. 31, No. 3, p. 317~326.
- Han, Kun-Yeun, Park, Jae-Hong and Kim, Sang-Ho (1998):** Determination of Optimum Pipe Diameter Using Multi-Stage herative Method in Water Distribution System. JKWRA, Vol. 31, No. 3, p. 327~336.

Lee, Hong-Rae, Han, Kun-Yeun and Cho, Won-Cheol (1998): Uncertainty Analysis for Dam-Break Floodwave Simulation, JKWRA, Vol. 31, No. 3, p. 337~346.

Jeong, Woo-Chang and Song, Jai-Woo (1998): Fluid Flow and Solute Transport in a Discrete Fracture Network Model with Nonlinear Hydromechanical Effect, JKWRA, Vol. 31, No. 3, p. 347~

GEODESY

Lee, Kyoo-Seock, Ahn, Seung-Mahn and Tahk, Hyeong-Ryeol (1997): Establishing Automated Mapping/Facilities Management System Using PC-CAD, JKSGPC, Vol. 15, No. 2, p. 141~148.

Park, Woon-Yong, Cha, Sung-Yeoul and Kim, Jin-Soo (1997): A study on the Technique of Automated Mapping for Facility Management System, JKSGPC, Vol. 15, No. 2, p. 149~156.

Park, Woon-Yong, Lee, Dong-Rak and Shin, Sang-Cheal (1997): Exterior Orientation Parameters Determination of Aerial Photogrammetry by GPS Code Phases Measurement, JKSGPC, Vol. 15, No. 2, p. 157~164.

Lee, Jong-Chool, Mun, Du-Yeoul and Shin, Sang-Cheal (1997): Correction of

Antenna Position for Projection Center Coordinates by Kinematic DGPS-Positioning, JKSGPC, Vol. 15, No. 2, p. 165~174.

Choi, Yun-Soo and Choi, Kyung-Jae (1997): Geographical Distribution of Magnetic Elements Deduced from the Results of the First Order Magnetic Survey in Korea, JKSGPC, Vol. 15, No. 2, p. 175~184.

Lee, Chang-Kyung (1997): Tracing of Moving Objects by Stereo Video Cameras, JKSGPC, Vol. 15, No. 2, p. 185~192.

Choi, Yun-Soo and Kim, Kyoung-Jin (1997): Application of Rapid Static Method on Minor Control Point Surveying Using the Global Positioning System, JKSGPC, Vol. 15, No. 2, p. 193~206.

Yoon, Cheol-Gyu, Shin, Bong-Ho, Yang, Sung-Yong and Eum, Jae-Gu (1997): A Study on Efficient Technique of 3-D Terrain Modelling, JKSGPC, Vol. 15, No. 2, p. 207~214.

Choi, Chul-Soon and Choi, Seung-Pil (1997): A Tracing Survey by Means of Satellite TM Image for Go-Sung Forest Fire Damage Area, JKSGPC, Vol. 15, No. 2, p. 215~220.

Yang, In-Tae and Kim, Yeon-Jun (1997): The Effect of Grid Size in a Slope Analysis of Terrain by DEM for Hydrological Analysis, JKSGPC, Vol. 15, No. 2, p. 221~230.

Choi, Seung-Pil and Yang, In-Tae (1997): A Tracing Survey of Hot Waste

Spread from Nuclear Power Station by Means of Landsat TM Image, JKSGPC, Vol. 15, No. 2, p. 231~236.

Park, Byung-Uk and Kim, Chul (1997): A Study on Analysis of Natural Disaster Using Remote Sensing Data, JKSGPC, Vol. 15, No. 2, p. 237~244.

Kang, Joon-Mook and Bac, Sang-Ho (1997): The Enhancements of Sub-pixel Measuring Accuracy the Centripid Methods, JKSGPC, Vol. 15, No. 2, p. 245~252.

Cho, Kyu-Jon, Jon, Jae-Hong, Tcha, Duk-Kie and Auh, Su-Chang (1997): Transformation of GPS Coordinates in a Small Area, JKSGPC, Vol. 15, No. 2, p. 253~262.

Lee, Jun-Seok, Roh, You-Jin and Kang, In-Joon (1997): Real-Time Traffic Information System Using Internet GIS, JKSGPC, Vol. 15, No. 2, p. 263~268.

Bae, Sang-Jin, Choi, Chul-Woong and Kang, In-Joon (1997): The Digital Road Map Using World Geodetic System-84 Coordinates System, JKSGPC, Vol. 15, No. 2, p. 269~276.

Ahn, Ki-Won, Lee, Hyo-Sung and Shin, Sok-Hyo (1997): A Preliminary Study on the Construction of the AM/FM System for a University, JKSGPC, Vol. 15, No. 2, p. 277~286.

Ahn, Ki-Won, Lee, Hyo-Sung and Seo, Doo-Chun (1997): A Study on the

Extraction of the Marsucoccus Thunbergianae Miller el Park Damaged Area from Satellite Image Data, JKSGPC, Vol. 15, No. 2, p. 287~295.

Jeong, Soo and Yeu, Bock-Mo (1998): Correction of Radiometric Distortion Caused by Geometric Property in SAR Image using SAR Simulation, JKSGPC, Vol. 16, No. 1, p. 1~8.

Kim, Uk-Nam and Park, Hee-Ju (1998): A Study on the Registration and Reconstruction of the Land Boundary Location in Numerical Cadastre, JKSGPC, Vol. 16, No. 1, p. 9~16.

Yun, Hong-Sic (1998): Fast Hartley Transform Technique as a Efficient Tools for Gravity Field Modeling, JKSGPC, Vol. 16, No. 1, p. 17~26.

Lee, Jin-Duk (1998): Deformation Monitoring of a Structure Using Kinematic GPS Surveying Tachnology, JKSGPC, Vol. 16, No. 1, p. 27~40.

Yeu, Bock-Mo, Choi, Song-Wook and Kim, Gi-Hong (1998): The Development of Mobile Positioning System Using CCD Cameras and GPS, JKSGPC, Vol. 16, No. 1, p. 41~50.

Choi, Yun-Soo, Sa, Jae-Kwang, Cho, Heung-Muk, Park, Byung-Uk and Kim, Woong (1998): Precision Improvement of Long Baseline Determination by IGS Ephemeris and Geodetic Positioning of '96 Korea GPS Fiducial Network, JKSGPC, Vol. 16, No. 1, p. 51~58.

Yang, In-Tae, Kim, Yeon-Jun, and Choi, Kwang-Sik (1998): Preliminary Estimation of Waste Landfill Sites Using Geo-Spatial Information System and Analytic Hierachy Process, JKSGPC, Vol. 16, No. 1, p. 59~66.

Yoon, Cheol-Gyu (1998): A Study on the Terrain Analysis using TIN & GRID-Based Digital Terrain Model, JKSGPC, Vol. 16, No. 1, p. 67~74.

Park, Min-Ho (1998): A Technique for Mixed Pixel Extraction by Canonical Vector Analysis, JKSGPC, Vol. 16, No. 1, p. 75~84.

Lee, Young-Jin (1998): Adjustment Computation of the National Fundamental Stations Using 3-D Baseline Vectors (KTRF94), JKSGPC, Vol. 16, No. 1, p. 85~94.

Lee, Young-Jin (1998): Improved National Datum Transformation Parameters of South Korea, JKSGPC, Vol. 16, No. 1, p. 95~102.

Oh, Chang-Soo (1998): Effect and Issues of the Water Supply Network Management System in Kwangju, JKSGPC, Vol. 16, No. 1, p. 103~110.

Kim, Choong-Pyung and Kim, Kam-Lea (1998): A Study on Algorithm for Computerization of Cadastral Maps, JKSGPC, Vol. 16, No. 1, p. 111~118.

Cho, Kyu-Jon, Cho, Young-Ho and Chung, Eui-Whan (1998): A Study on Production and Accuracy Analysis of Grid Digital Elevation Models, JKSGPC, Vol. 16, No. 1, p. 119~132.

Kim, Uk-Nam and Park, Hee-Ju (1998): A Study on Proposal for Systematic Development of the Inspection of Cadastal Surveying Valuc the Case of Sunnam City, JKSGPC, Vol. 16, No. 1, p. 133~138.

Cho, Woo-Sug (1998): A Study on Logical Data Model for National Topographic Basedata, JKSGPC, Vol. 16, No. 1, p. 139~146.

OCEANOGRAPHY

Lee, Jae-Seong and Kim, Kee-Hyun (1997): The Distribution of ^{228}Ra and the Eddy Diffusivity of Surface Waters of the Coastal Southwestern East Sea, JKSO, Vol. 32, No. 2, p. 57~63.

Khim, Boo-Keun, Bock, Kathy W. and Krantz, David E. (1997): Stable Isotope Profiles of the Fossil Mollusks from Marginal Marine Environments: Is Carbon from the Seasonal Methanogenesis?, JKSO, Vol. 32, No. 2, p. 63~68.

Kim Dong-Seon, Park, Byong-Kwon and Yoon, Ho-Il (1997): Vertical Distribution of Biogenic Elements and its Implication on Holocene Paleoclimatic Records in the Maxwell Bay of the South Shetland Islands, West Antarctica, JKSO, Vol. 32, No. 2, p. 69~74.

Lee, Jong-Chan and Jung, Kyung-Tae (1997): On the Length Scale and the Wall Proximity Function in the Mellor-Yamada Level 2.5 Turbulence Closure Model for Homogeneous Flows, JKSO, Vol. 32, No. 2, p. 75~84.

Park, Chul (1997): Seasonal Distribution, Egg Production and Feeding by the Marine Copepod *Calanus sinicus* in Asan Bay, Korea, JKSO, Vol. 32, No. 2, p. 85~92.

Cheong, Hyeong-Bin, Kum, Young-Seup and Hong, Sung-Keun (1997): Effect of the Bottom Slope and the Formation of Coastal Front and Shallow-Sea Structure during Cold-Air Outbreak, JKSO, Vol. 32, No. 3, p. 93~102.

Han, Myung-Woo, Lee, In-Ho, Kim, Kee-Hyun and Noh, Il (1997): The Partitioning of Organic Carbon Cycle in Coastal Sediments of Kwangyang Bay, JKSO, Vol. 32, No. 3, p. 103~111.

Cho, Yeong-Gil, Yang, Sung-Ryull and Park, Kyung-Yang (1997): Metals in Coastal Sediments Adjacent to the Youngkwang Nuclear Power Plant, West Coast of Korea, JKSO, Vol. 32, No. 3, p. 112~119.

Oh, Jae-Kyung (1997): Depositional Environment and Distribution of Heavy Metal off the Shihwa Dam, JKSO, Vol. 32, No. 3, p. 120~127.

Khim, Boo-Keun, Shin, Dong-Hyeok and Han, Sang-Joon (1997): Organic Carbon,

Calcium Carbonate, and Clay Mineral Distributions in the Korea Strait Region, the Southern Part of the East Sea, JKSO, Vol. 32, No. 3, p. 128~137.

Park, Yong-Ahn, Choi, Jin-Yong, Lim, Dhong-Il, Khim, Boo-Keun and Hwang, Sun-Young (1997): Difference of Clay Mineral Compositions between Holocene and Late Pleistocene Tidal Deposits in the Haenam Bay, Korea: Evidence of Subaerial Exposure and Weathering, JKSO, Vol. 32, No. 3, p. 138~144.

Park, Gyung-Soo and Choi, Joong-Ki (1997): Microzooplankton Assemblages: Their Distribution, Trophic Role and Relationship to the Environmental Variables, JKSO, Vol. 32, No. 3, p. 145~155.

Ju, Se-Jong (1997): The Silver Cycle and Fluxes in the Ocean, JKSO, Vol. 32, No. 3, p. 156~162.

Park, Sung-Hoon, Kong, Young-Sae, Kim, Hee-Joon and Lee, Byung-Gul (1997): Swell Correction of Shallow Marine Seismic Reflection Data Using Genetic Algorithms, JKSO, Vol. 32, No. 3, p. 163~170.

Oh, Im-Sang, Moon, Il-Ju and Youn, Yong-Hoon (1997): Daily Mean Sea Level and Atmospheric Pressure along the Coasts of the Northeastern Pacific Ocean, JKSO, Vol. 32, No. 4, p. 171~180.

Park, Soo-Chul and Yoo, Dong-Geun (1997): Bed form Distribution and Sand Transport Trend on a Subtidal Sand

Ridge in a Macrotidal Bay, West Coast of Korea, JKSO, Vol. 32, No. 4, p. 181~190.

Park, Myung-Gil, Shim, Jae-Hyung, Yang, Sung-Ryull, Lee Sang-Hoon and Cho, Byung-Cheol (1997): Diel Cycles of Nitrogen Uptake by Marine Phytoplankton in NO₃-high and -low Environments, JKSO, Vol. 32, No. 4, p. 191~201.

Park, Gyung-Soo and Han, Kyung-Nam (1997): Dynamics of Fish Larvae in the Han River Estuary and Kyunggi Bay, Korea, JKSO, Vol. 32, No. 4, p. 202~207.

Khim, Boo-Keun, Park, Byong-Kwon and Kang, Sung-Ho (1998): Oxygen isotopwe Data of Winter Water in the Western Weddell Sea: Preliminary Results, JKSO, Vol. 33, Nos. 1~2, p. 1~7.

Kim, Gil-Young, Kim, Dae-Choul, Shin, Im-Chul, Park, Soo-Chul, Yi, Hi-Il and Kim, Jeong-Chang (1998): Late Quaternary Paleoceanography as Recorded by Planktonic Foraminifera in the Ulleung Basin, East Sea, JKSO, Vol. 33, Nos. 1~2, p. 8~17.

Lee, Jae-Hac and Park, Heung-Sik (1998): Community Structures of Macrobenthos in Chonsu Bay, Korea, JKSO, Vol. 33, Nos. 1~2, p. 18~27.

Kang, Young-Shil and Hong, Sung-Yun (1998): Seasonal Variations in Distribution, Population Structure and Prosome Length of *Calanus sinicus* (Copepoda: Calanoida) in the Southern Waters of Korea, JKSO, Vol. 33, Nos. 1~2, p. 28~34.

Suh, Hae-Lip, Kim, Ju-Hwan and Soh, Ho-Young (1998): Population Structure of Surface Swarms of the Euphausiid *pacifica* Caught by Drum Screens of Uljin Nuclear Power Plant in the East Coast of Korea, JKSO, Vol. 33, Nos. 1~2, p. 35~40.

Huh, Sung-Hoi and Oh, Im-Sang (1997): Ecological Studies on the Man-made Lake Shihwa and Adjacent Coastal Area: Introduction, SEA, Vol. 2, No. 2, p. 49~52.

Park, Yong-Chul, Park, Jun-Kun, Han, Myong-Woo, Son, Seung-Kyu, Kim, Moon-Koo and Huh, Seung-Hoi (1997): Biogeochemical Study of Dissolved Organic and Inorganic Compounds under Oxidic/Anoxic Environment in Lake Shihwa, SEA, Vol. 2, No. 2, p. 53~68.

Han, Myong-Woo, Park, Yong-Chul and Huh, Sung-Hoi (1997): Benthic Fluxes of Ammonia and Lead in Lake Shihwa, SEA, Vol. 2, No. 2, p. 69~77.

Choi, Joong-Ki, Lee, Eun-Hee, Noh, Jae-Hoon and Huh, Sung-Hoi (1997): The Study on the Phytoplankton Bloom and Primary Productivity in Lake Shihwa and Adjacent Coastal Areas, SEA, Vol. 2, No. 2, p. 78~86.

Park, Chul and Huh, Sung-Hoi (1997): Ecological Stability of the Shihwa Lake Evaluated by Zooplankton Distribution in the Lake Shihwa and Adjacent Coastal Area, SEA, Vol. 2, No. 2, p. 87~91.

Choi, Dong-Han, Kang, Suk-Won, Song,

Ki-Don, Huh, Sung-Hoi and Cho, Byung-Cheol (1997): Distribution and Growth of Bacteria in the Hypertrophic Lake Shihwa, SEA, Vol. 2, No. 2, p. 92~100.

Ryu, Jong-Seong, Choi, Jin-Woo, Kang, Seong-Gil, Koh, Chul-Hwan and Huh, Sung-Hoi (1997): Temporal and Spatial Changes in the Species Composition and Abundance of Benthic Polychaetes after the Construction of Shihwa Dike (West Coast of Korea), SEA, Vol. 2, No. 2, p. 101~109.

Lee, Tae-Won, Moon, Tae-Hyung and Huh, Sung-Hoi (1997): Changes of Species Composition of Fish in Polluted Lake Shihwa and Adjacent Coastal Area, SEA, Vol. 2, No. 2, p. 110~116.

Yang Jae-Sam (1997): Vertical distributions of dissolved Cu and Ni in the central East Sea, SEA, Vol. 2, No. 2, p. 117~124.

Jung, Hoi-Soo, Park, Sung-Hyun, Kim, Dong-Seon, Choi, Man-Sik and Lee, Kyeong-Young (1997): Geochemistry of Heavy Metals and Rare Earth Elements in Core Sediments from the Korea Deep-Sea Environmental Study (KODES)-96 Area, Northeast Equatorial Pacific, SEA, Vol. 2, No. 2, p. 125~137.

Park, Yong-Ahn, Lim, Dhong-II, Choi, Jin-Yong and Lee, Young-Gil (1997): Late Quaternary Stratigraphy of the Tidal Deposits in the Hampyung Bay, southwest coast of Korea, SEA, Vol. 2, No. 2, p. 138~150.

Shim, Jeong-Hee, Kang Young-Chul and Choi, Jin-Woo (1997): Chemical Fluxes at the Sediment-Water Interface Below Marine Fish Cages on the Coastal Waters off Tong-Young, South Coast of Korea, SEA, Vol. 2, No. 2, p. 151~159.

Choi, Hyun-Yong, Lee, Sang-Ho and Oh, Im-Sang (1998): Quantitative Analysis of the Thermal Front in the Mid-eastern Coastal Area of the Yellow Sea, SEA, Vol. 3, No. 1, p. 1~8.

Youn, Yong-Hoon, Hong, Sung-Gil, Hong, Yoon and Lee, Ji-Yeon (1998): A Study on the Estimation of Air-Sea Heat Fluxes and the Wave Characteristics using Chilbaldo Buoy Data, SEA, Vol. 3, No. 1, p. 9~15.

Ahn, Joong-Bae and Lee, Hyo-Shin (1998): Deveoplment of Oceanic General Circulation Model for Climate Change Prediction, SEA, Vol. 3, No. 1, p. 16~24.

Cha, Hyun-Ju, Kim, Jun-Young, Koh, Chul-Hwan and Lee, Chang-Bok (1998): Temporal and Spatial Variation of Nutrient Elements in Surface Seawater off the West Coast of Korea, SEA, Vol. 3, No. 1, p. 25~33.

Suh, Man-Cheol, Lee, Gwang-Hoon and Shon, Ho-Woong (1998): A Geophysical Study on the Geotectonics and Opening Mechanism of the Ulleung Basin, East Sea, SEA, Vol. 3, No. 1, p. 34~44.

Choi, Jin-Yong and Park, Yong-Ahn (1998): Southward Transport of Suspended

Sediments during Summer Season in the Coastal Zone off Tae-An Peninsula, West Coast of Korea, SEA, Vol. 3, No. 1, p. 45~52.

Na, Jung-Yul and Kim, Tae-Yeon (1998): Characteristics of the Ekman Layer Flow over a Rough Bottom, SEA, Vol. 3, No. 2, p. 53~58.

Shin, Dong-Hyeok, Yi, Hi-Il, Han, Sang-Joon, Oh, Jae-Kyung and Kwon, Su-Jae (1998): Transport Paths of Surface Sediment on the Tidal Flat of Garolim Bay, West Coast of Korea, SEA, Vol. 3, No. 2, p. 59~70.

Yoo, Jae-Myung, Kim, Sung, Lee, Eun-Kyung and Kim, Yong-Uk (1998): Studies on the Fish Larvae Community in the Sea Around Cheju Island in November,

1986, SEA, Vol. 3, No. 2, p. 71~79.

Kim, Hae-Cheol, Yang, Sung-Ryull, Pae, Se-Jin and Shim, Jae-Hyung (1998): The Seasonal Variation of Primary Productivity in the Antarctic Coastal Ecosystems, SEA, Vol. 3, No. 2, p. 80~89.

Lee, Soo-Woong, Lee, Hee-Woo, Park, Jong-Gyu, Lee, Jin-Ae and Park, Young-Shik (1998): Molecular Phylogeny of Phytoplankton Isolated from Red Tides in Southern Coast of Korea, SEA, Vol. 3, No. 2, p. 90~93.

Hong, Jae-Sang and Park, Heung-Sik (1998): Molluscan Death Assemblages and Their Ecological Implications on a Tidal Flat, Incheon, Korea, SEA, Vol. 3, No. 2, p. 94~102.