를 소개하고 홍보하는 내용으로 구성되었다. 이 멀티미디어 DB는 인터넷과 호환이 되도록 개발되어 한국통신 인터넷망으로 서비스될 예정이다. 본 연구는 천문우주과학 정보의 수집, 체계화, DB구축 및 응용소프트웨어의 개발로 천문우주과학을 알기 쉽게 대중에게 보급하고, 흥미있는 내용으로 구성된 멀티미디어 DB로 개발되어 교육적 목표를 구현하게 될 것이다. 이 연구는 21세기 우주과학 시대를 향한 국민생활의 과학화와 천문우주과학에 대한 지적 욕구 충족을 위해 수행하였다는 데 의의가 있다.

OBSERVATIONN OF SiO(v=1,2) j=4-3, j=3-2 AND j=2-1 EMISSION IN LATE=TYPE STARS II

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Observations of SiO v=1, J=4-3 and J=3-2 transitions were made for 40 program late-type stars containing SiO v=1, J=2-1 maser emission with the 14m radio telescope at Tadduk Radio Astronomy Observatory (TRAO) during February-March 1996-97. Observations of the v=1, J=2-1 transitions in the same objects were performed within 50 days of the former observations using the same telescope, which allows a comparative study of the intensity of the SiO maser lines. For the J=4-3 masers, the line was detected in 4 stars giving 3 new detections. For the J=3-2 masers, the line was detected in 19 stars, 6 of them being new detections.

Using these data including the observational results of 1995-96, a systematic statistical study fo correlations between various SiO maser properties and related stellar parameters has been made. Correlation of SiO emission properties withe the optical phase and IR flux densities etc. will be prosented.

CCD PHOTOMETRIC STUDY OF δ SCUTI VARIABLE HR2107

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Multiperiodic δ Scuti type variable, HR 2107 (=V474 Mon), was observed with the Automatized Differential Photometry System(ADPS) which is attached to the 24-inch telescope of Mt. Sobaek Observing Station. Johnson's V band photometric data of total 6 nights were obtained from Feb. 1994 to Jan. 1995. In order to determine pulsation