

고정밀 감속기 특성에 대한 산업용 로봇의 소음 진동 특성
A Study on the Characteristic of Noise and Vibration in the
Industrial Robot about the Characteristic of the High Precision
Reduction

김우형[†](한양대학교 일반대학원 기계공학과)·정진태^{*}(한양대학교 기계공학과)
Woohyung Kim and Jintai Chung

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Abstract : This paper is studied the noise and vibration tendency of the industrial robot about the characteristic of the high precision reduction. The industrial robot is installed six reductions because of composed with six axes. We investigate the noise vibration characteristic and the stiffness of the reduction through the signal and system analysis. The analytic model of the industrial robot is made of the rigid body and the equivalent properties of the reduction. And we analyze the dynamic characteristic of the industrial robot. To verify the analysis result, we exam through the impact test.