

List of Dissertation Abstract (Department of Environment and System Sciences)

Name	Supervisor	Title	Abstract
IWAI Toshiaki	NAKANO Ken	Suppression Effects of Lubricant Additives on Vibration and Noise in Chain-Type Continuously Variable Transmissions	<p>This paper focuses on improving the performance of a chain-type continuously variable transmission (CCVT) for automobiles, and in order to solve the problems of vibration and noise, which are the pressing technical issues of CCVT, lubrication for CCVT This is a summary of approaches from oil. It consists of 6 chapters, and has two strategies for improving vibration noise, [(1) Decreasing friction coefficient in extremely low speed range and (2) Improving critical speed (Ucr)] We have embodied two strategies for improving vibration noise by optimally blending a lubricating oil additive, and have found a formulation with little vibration noise on an actual machine.</p>