

數位光源處理投影機之積分柱熱分析

蔡永培, 黃和順, 周中祺

機械工程學系

工學院

yptsai@chu.edu.tw

摘要

This thesis is a study of the thermal analysis of the integral rod in the digital light process projector. Utilizing ProSource optics software, Analysis is done on the radiation source model to produce a basic radiation program file. This file is then used on the ASAP optical simulation software to simulate the radiation flux of every mirror on the integral rod. It leads the result to ANSYS which can analyze a temperature simulation, comparison with calculations of the actual temperature is made.

關鍵字：Keywords：integral rod、digital light process projector、thermal analysis