

國立高雄大學統計學研究所
96學年度書報討論題目暨摘要登記表（填寫範例）

姓名：○○○

題目：Which Response Surface Design is Best (每字的第一個字母大寫)

作者：範例一：James M. Lucas

範例二：Weichung Wang and Ray-Bing Chen

範例三：Natacha Brouhns, Michel Denuit and Jeroen K. Vermunt

出處：Technometrics, 18(4): 411-417, 1976 (請列出卷數、期數、頁數及年份。無期數者無須填寫。)

摘要：(摘要內容之字型，中文為標楷體，英文為 Times New Roman。字體大小為 12 點字)

The performance of a number of response surface designs for estimating a quadratic response surface model in symmetric experimental regions, k -spheres and hypercubes, is compared. The designs compared are composite designs, Box-Behnken designs, Uniform Shell designs, Hoke designs, Pesotchinsky designs, and Box-Draper designs. The performance criteria for the designs are their D -efficiency and their G -efficiency. All of the compared designs have high efficiencies. For large numbers of factors designs having higher efficiencies do exist; however, these designs have not yet been discovered.

指導教授簽名：