

# 台灣地區豪雨及暴雨量分布之研究

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## 摘要

本研究乃針對台灣特殊地形影響豪雨及暴雨量之分布，但分析短時間內小範圍之狀況，以明瞭豪雨或暴雨中心及其範圍內雨量分布特性與雨區之逐時變化。此外，並以盡最大努力可蒐集到之較多雨量資料分析比較僅利用少數測站資料所獲結果間之差異。本研究共選取 1976 ~ 1981 年台灣地區 15 次豪雨（或暴雨）時總計 113 個測站逐時雨量資料，並按地形與地理環境分為四個分區及石門與曾文二水庫區以個案及統計方法分析研究。

## On the Distribution of Heavy Rainfall in Taiwan

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## abstract

Analysis of rainfall distribution in a specified small area and in a short time period is very important for the construction design and flood protection. In this work 15 heavy rainfall cases are selected from the 113 stations' data, in the considered region, in the period from 1976 to 1981. For all these cases rainfall distributions, variations of the centers of the heavy rainfall, as well as the difference between the means with different stations are studied. All of these studies proved that not only for a better rainfall distribution analysis but also for a better rainfall prediction we need a well designed rain gauge network for the considered region.

