

# Android App for Rubik's Cube Players (Android魔術方塊玩家App)

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## 摘要

In recent years, because of popularity of smart mobile devices and cost reduction of the development, more and more developers realize their innovations on the smart mobile devices. Nowadays, almost everyone has a smart phone on hand. The applications on smart phones are not only convenient to our life but also become a marketing tool.

In this paper we present an android application which is targeted to the players of Rubik's Cube. We use the matrix to simulate the move of a Cube. It is easy for the players to practice the Cube even if they don't bring their own Cube physically. In this application, we also devise a timer in a different thread. The Cube players don't need to bring a timer with them when they are outside. The application is also attached with a scramble maker which will produce scrambles with similar difficulty. The players don't need to worry about the fairness of the scramble formula.

關鍵字：Android, Rubik's Cube, App