Title: Equation editor for Android

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Abstract: The goal of this project is to implement an application for the mobile operating system Android, which allows user to interactively create mathematical expressions and typeset them in LaTeX. The application is also capable of saving and sharing its output in various file formats. The application contains a general editor and compiler of LaTeX documents. It is possible to use the equation editor to create a formula, place it into a full LaTeX document and to edit it later in the equation editor again. The application is designed in such a way that even a user, who doesn't know LaTeX, is capable of creating complex mathematical expressions. It is also possible to seamlessly switch between an interactive type of input and direct editing of a LaTeX code.