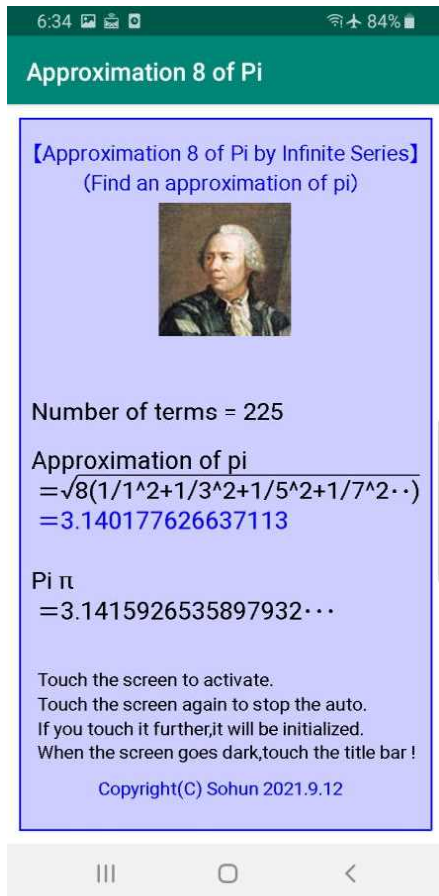


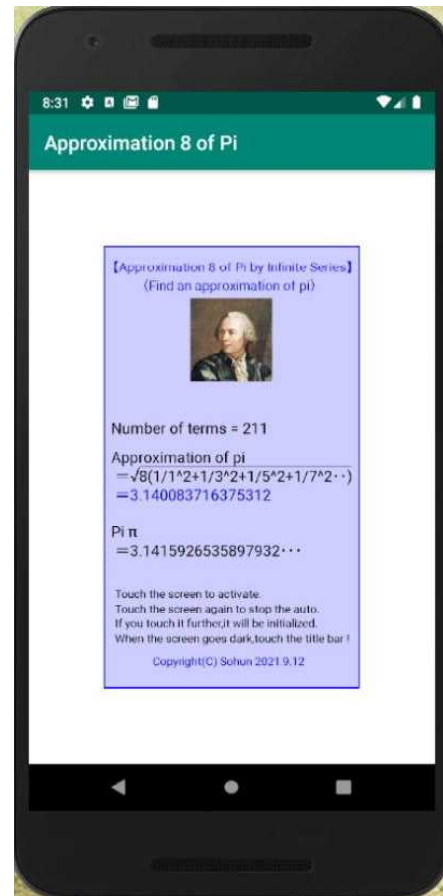
【Approximation 8 of Pi by Infinite Series】

※ Use the approximation formula to find an approximate value of pi.



【Screenshot】

Galaxy S9



【Emulator image】

Android Studio Version 3.5.1

[Outline]

Use the following approximation formula to find an approximate value of pi.

$$pi = \sqrt{8 \left(\frac{1}{1^2} + \frac{1}{3^2} + \frac{1}{5^2} + \frac{1}{7^2} + \dots \right)}$$

Let's observe how the approximate value of pi can be obtained as the number of terms increases.