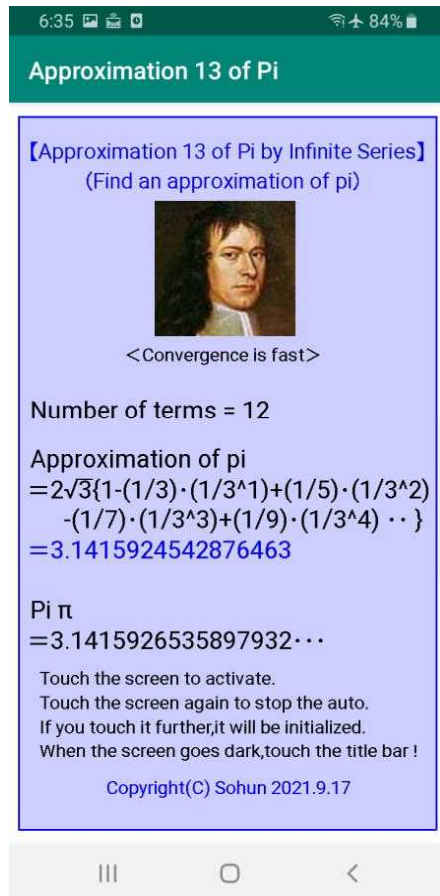


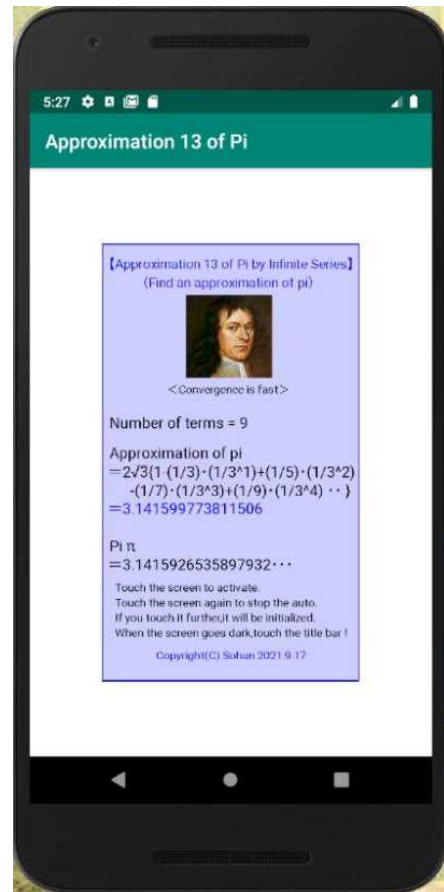
【Approximation 13 of Pi by Infinite Series】

※ 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.

$$pi = 2\sqrt{3} \left(1 - \frac{1}{3} + \frac{1}{3^2} - \frac{1}{5} + \frac{1}{3^3} - \frac{1}{7} + \frac{1}{3^4} - \frac{1}{9} + \frac{1}{3^5} - \dots \right)$$

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