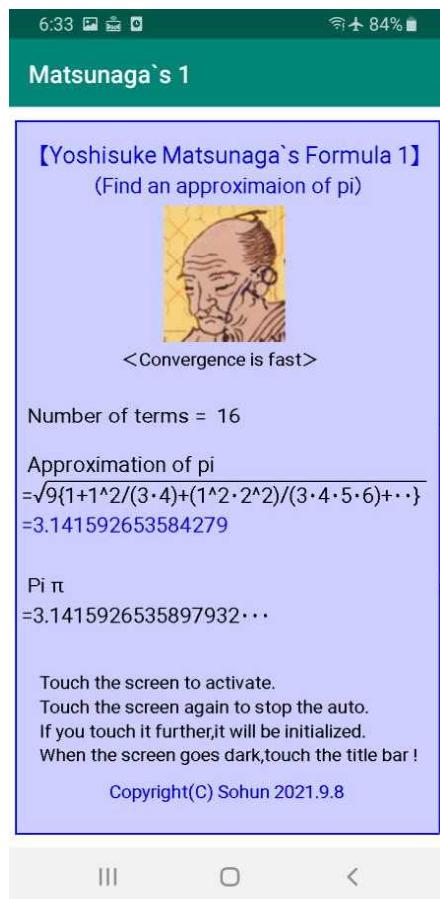


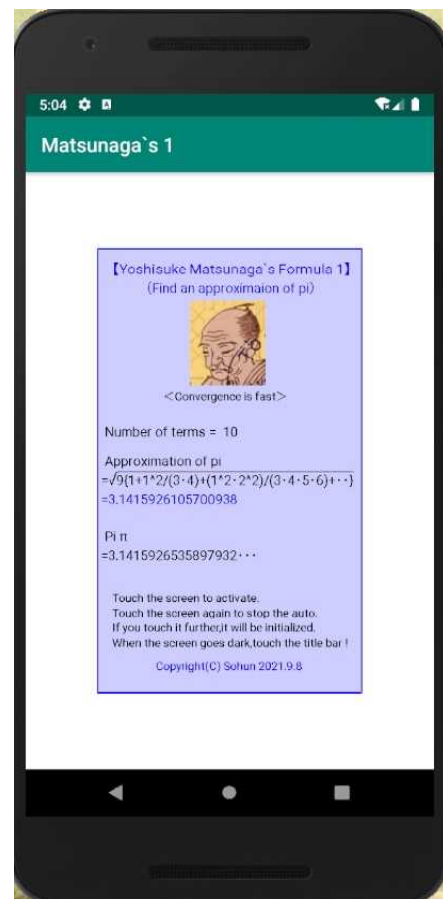
## 【Yoshisuke Matsunaga's Formula 1】

※ Use the Yoshisuke Matsunaga's formula to find an approximation of pi.



【Screenshot】

Galaxy S9



【Emulator image】

Android Studio Version 3.5.1

[Outline]

Use the following Yoshisuke Matsunaga's formula to find an approximation of pi.

$$pi = \sqrt{9 \left( 1 + \frac{1^2}{3 \times 4} + \frac{1^2 \times 2^2}{3 \times 4 \times 5 \times 6} + \frac{1^2 \times 2^2 \times 3^2}{3 \times 4 \times 5 \times 6 \times 7 \times 8} \right) + \dots}$$

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

You can see that the convergence speed is very fast.