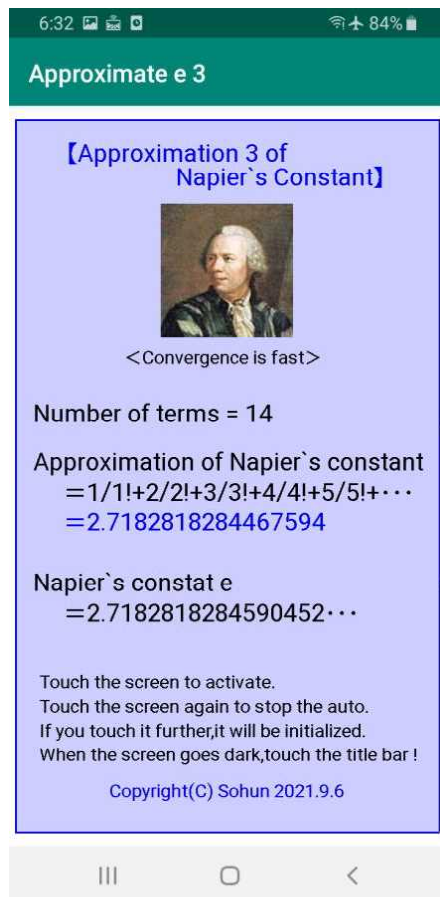


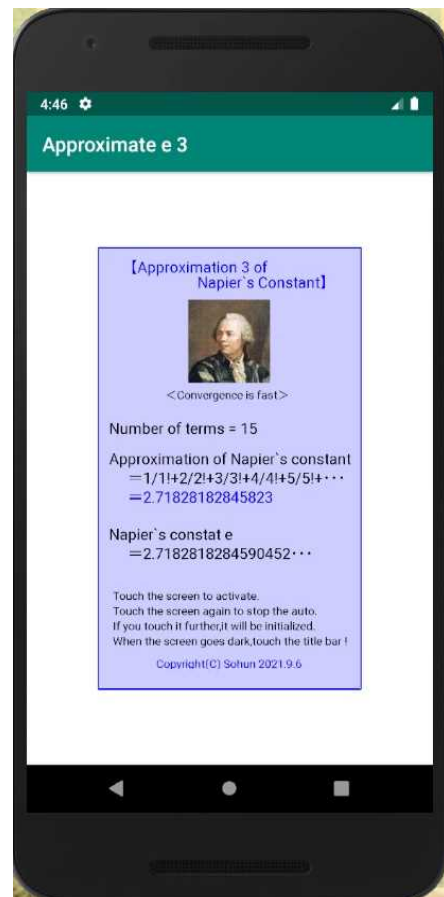
【Approximation 3 of Napier's Constant e】

- ※ Use the approximation formula to find the approximation of the base e of the natural logarithm.



【Screenshot】

Galaxy S9



【Emulator image】

Android Studio Version 3.5.1

[Outline]

Use the following approximation formula to find the approximation of the base e of the natural logarithm.

$$e = \frac{1}{1!} + \frac{2}{2!} + \frac{3}{3!} + \frac{4}{4!} + \dots$$

Let's observe how the approximation of the base e of the natural logarithm can be obtained as the number of terms increases.

You can see that the convergence is very fast.