## Problem of the Week

Finishing date: 09/30/2015

What is larger?

$$
\int_{0}^{\infty} \frac{\mathrm{d} x}{\left(1+x^{2}\right)\left(1+x^{2015}\right)} \quad \text { or } \quad \int_{0}^{\infty} \frac{\mathrm{d} x}{\left(1+x^{2}\right)\left(1+x^{2016}\right)}
$$

Previous problem winners: Zachary Hancock(first solution)

Joseph Burnett, Iakov Rachinskiy and Nathan Hannon


Submit your solutions before the finishing date to the address: ProbOfTheWeek@utdallas.edu

