

Challenge 4 (Fall 2018)

Blue Problem

Evaluate the following fraction:

$$\frac{(1^2 - 1 * 100 + 100^2) + (2^2 - 2 * 99 + 99^2) + \dots + (50^2 - 50 * 51 + 51^2)}{50^2}$$



Gold Problem

Evaluate the following definite integral:

$$\int_0^{\pi/2} \frac{dx}{1 + (\tan(x))^3}$$

Due on Friday, November 30th

www.sjsu.edu/math/sjsu-problem-solvers

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