

*In memory of Justynka, my wife*

# FORMULAS

FORMULA No.

D117

'The laws of nature are but the mathematical thoughts of God.'  
Euclid

[www.and-just-math.com](http://www.and-just-math.com)

We are not mathematicians, but we love mathematics and create formulas ourselves.

'No other science boosts the faith in the strength of the human spirit like mathematics.'  
Hugo Steinhaus

$$\sum_{k=1}^{k=\infty} \frac{3 \times (k+1) \times p_{k+2}^2 - p_{k+1}^2}{p_{k+1}^2 \times p_{k+2}^2 \times (k+1)! \times 3^k} = \frac{1}{9} \quad k \in \mathbb{N}$$

$p_k$  ( $k$ -th prime number)

NEW MATHEMATICAL FORMULA DAILY