

*In memory of Justynka, my wife*

# FORMULAS

FORMULA No.

**D126**

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



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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

$k \in N$

$$\sum_{k=1}^{k=\infty} \frac{[(4 \times p_k^2 + 5 \times p_{k+2}^2) \times p_{k+1}^2 - 9 \times p_k^2 \times p_{k+2}^2] \times 2^{2 \times k}}{p_k^2 \times p_{k+1}^2 \times p_{k+2}^2 \times 5^{k+1}} = \frac{1}{9}$$

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

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