

*In memory of Justynka, my wife*

# FORMULAS

FORMULA No.

**D164**

'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

$k \in N$

$$\sum_{k=1}^{k=\infty} \frac{[2 \times (k+2) \times p_k + k \times (k+3)] \times p_{k+1} - (k+1) \times (k+4) \times p_k}{k \times (k+1) \times (k+3) \times (k+4) \times (p_k - 1) \times (p_{k+1} - 1)} = \frac{1}{2}$$

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

**NEW MATHEMATICAL FORMULA DAILY**