

*In memory of Justynka, my wife*



# FORMULAS

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



FORMULA No.

**D157**

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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

$k \in \mathbb{N}$

$$\sum_{k=1}^{k=\infty} \frac{(p_k + 1) \times p_{k+1} \times (p_{k+2} - p_{k+1}) \times (p_{k+3} + 1) - p_k \times (p_{k+1} + 1) \times (p_{k+3} - p_{k+2})}{p_k \times p_{k+1} \times (p_{k+1} + 1) \times (p_{k+2} + 1) \times (p_{k+3} + 1)} = \frac{7}{24}$$

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

**NEW MATHEMATICAL FORMULA DAILY**