

*In memory of Justynka, my wife*

# FORMULAS

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

FORMULA No.

D123

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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

$k \in N$

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

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

NEW MATHEMATICAL FORMULA DAILY