

*In memory of Justynka, my wife*

# FORMULAS

FORMULA No.

D124

'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

$k \in \mathbb{N}$

$$\sum_{k=1}^{k=\infty} \frac{[p_k \times p_{k+1} \times \ln(p_{k+1}) - p_{k+2}^2 \times \ln(p_k)] \times k + [p_{k+1} \times \ln(p_{k+1}) - p_{k+1}^2 + p_{k+2}^2] \times p_k}{p_k \times p_{k+1}^2 \times p_{k+2}^2} = \frac{2 - \ln(2)}{18}$$

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

NEW MATHEMATICAL FORMULA DAILY