

*In memory of Justynka, my wife*

# FORMULAS

FORMULA No.

D101

'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

$$\sum_{k=1}^{k=\infty} \frac{p_{k+2} \times \left( p_k^{\frac{1}{p_k}} - 1 \right) - p_k \times \left( p_{k+1}^{\frac{1}{p_{k+1}}} - 1 \right)}{p_k \times p_{k+1} \times p_{k+2}} = \frac{\sqrt{2} - 1}{6} \quad k \in N$$

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

NEW MATHEMATICAL FORMULA DAILY