

*In memory of Justynka, my wife*

# FORMULAS

FORMULA No.

D161

'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

$k \in \mathbb{N}$

$$\sum_{k=1}^{k=\infty} \frac{(k+2)^3 \times (8 \times p_{k+1} \times p_{k+2}^3 + 1) \times p_{k+3}^3 - k^3 \times (6 \times p_{k+2} \times p_{k+3}^3 + 1) \times p_{k+1} \times p_{k+2}^2}{k^3 \times (k+1)^3 \times (k+2)^3 \times p_{k+1} \times p_{k+2}^3 \times p_{k+3}^3} = \frac{62251 - 6000 \times \pi^2}{3000}$$

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

NEW MATHEMATICAL FORMULA DAILY