

*In memory of Justynka, my wife*

# FORMULAS

FORMULA No.

D177

'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

$k \in N$

$$\sum_{k=1}^{k=\infty} \frac{(k+2) \times (k^2 + 13 \times k + 38) \times p_k \times p_{k+1} + (k+5)^2 \times p_{k+1} - (k+2) \times (k+4) \times p_k}{(k+2) \times (k+3) \times (k+4)^2 \times (k+5)^2 \times p_k \times p_{k+1}} = \frac{6067 - 600 \times \pi^2}{3600}$$

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

NEW MATHEMATICAL FORMULA DAILY