

In memory of Justynka, my wife

FORMULAS

FORMULA No.

D084

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



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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

$k \in \mathbb{N}$

$$\sum_{k=1}^{k=\infty} \frac{(p_{k+1} - p_k) \times [2 \times (p_k + p_{k+1}) \times p_k \times p_{k+1} + 7 \times p_k \times p_{k+1} + 2 \times (p_k^2 + p_{k+1}^2) + 5 \times (p_k + p_{k+1}) + 2]}{p_k \times (p_k + 2) \times p_{k+1} \times (p_{k+1} + 2) \times (2 \times p_k + 1) \times (2 \times p_{k+1} + 1)} = \frac{3}{40}$$

p_k (k -th prime number)

NEW MATHEMATICAL FORMULA DAILY