

In memory of Justynka, my wife

FORMULAS

FORMULA No.

D174

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

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

$k \in \mathbb{N}$

$$\sum_{k=1}^{k=\infty} \frac{5 \times p_k^3 \times (p_{k+1}^3 - 1) \times (k+1)^2 \times (k+3) - (p_k^3 - 1) \times (p_{k+1}^3 + 4) \times k^2 \times (k+2)}{k^2 \times (k+1)^2 \times (k+2) \times (k+3) \times (p_k^3 - 1) \times (p_{k+1}^3 - 1)} = \frac{14 \times \pi^2 - 39}{42}$$

p_k (k -th prime number)

NEW MATHEMATICAL FORMULA DAILY