

In memory of Justynka, my wife

FORMULAS

FORMULA No.

D165

'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

$k \in \mathbb{N}$

$$\sum_{k=1}^{k=\infty} \frac{(7 \times k^{p_{k+1}} + 1) \times (k + 1)^{p_{k+2}+3} \times (k + 3)^3 - [3 \times (k + 1)^{p_{k+2}} + 1] \times k^{p_{k+1}+3} \times (k + 2)^3}{k^{p_{k+1}+3} \times (k + 1)^{p_{k+2}+3} \times (k + 2)^3 \times (k + 3)^3} = \frac{599 - 54 \times \pi^2}{216}$$

p_k (k -th prime number)

NEW MATHEMATICAL FORMULA DAILY