

*In memory of Justynka, my wife*

# FORMULAS

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

FORMULA No.

**D334**

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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

$k \in \mathbb{N}$

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

$$\sum_{k=1}^{k=\infty} \frac{(p_k \times p_{k+1} + p_{k+1} - p_k) \times k^2 + 2 \times (2 \times p_k \times p_{k+1} + 2 \times p_{k+1} - p_k) \times k + (4 \times p_k \times p_{k+1} + 4 \times p_{k+1} - p_k)}{(k+1)^2 \times (k+2)^2 \times p_k \times p_{k+1}} = \frac{4 \times \pi^2 - 21}{24}$$

**NEW MATHEMATICAL FORMULA DAILY**