

*In memory of Justynka, my wife*

# FORMULAS

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

FORMULA No.

**D233**

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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

$k \in \mathbb{N}$

$$\sum_{k=1}^{k=\infty} \frac{4 \times k^6 + 36 \times k^5 + 109 \times k^4 + 246 \times k^3 + 481 \times k^2 + 402 \times k + 81}{(k+2)^2 \times (k+3)^2 \times (2 \times k - 1)^2 \times (2 \times k + 1)^2} = \frac{\pi^2}{8}$$

**NEW MATHEMATICAL FORMULA DAILY**