

*In memory of Justynka, my wife*

# FORMULAS

FORMULA No.

**D053**

'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

$k \in \mathbb{N}$

$$\sum_{k=1}^{k=\infty} \frac{64 \times k^4 + 64 \times k^3 + 316 \times k^2 + 384 \times k + 135}{(2 \times k + 1) \times (2 \times k + 3) \times (4 \times k - 3) \times (16 \times k^2 - 1) \times [16 \times (k + 1)^2 - 1]} = \frac{\pi - 2}{16}$$

**NEW MATHEMATICAL FORMULA DAILY**