

*In memory of Justynka, my wife*

# FORMULAS

FORMULA No.

**D375**

'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

$k \in N$

$$\sum_{k=1}^{k=\infty} \frac{(16 \times k^5 + 36 \times k^4 + 56 \times k^3 + 67 \times k^2 + 37 \times k + 6) \times (2 \times k)!}{(k+1)^2 \times (2 \times k + 1) \times (2 \times k + 3) \times (4 \times k - 3) \times (4 \times k + 1) \times k!^2 \times 2^{4 \times k + 1}} = \frac{\pi - 3}{3}$$

**NEW MATHEMATICAL FORMULA DAILY**