

*In memory of Justynka, my wife*

# FORMULAS

FORMULA No.

**D274**

'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

$k \in N$

$$\sum_{k=1}^{k=\infty} \frac{64 \times k^6 + 448 \times k^5 + 1008 \times k^4 + 2144 \times k^3 + 4156 \times k^2 + 3180 \times k + 625}{(2 \times k - 1)^2 \times (2 \times k + 1)^2 \times (2 \times k + 3)^2 \times (2 \times k + 5)^2} = \frac{\pi^2}{8}$$

**NEW MATHEMATICAL FORMULA DAILY**