

*In memory of Justynka, my wife*

# FORMULAS

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

FORMULA No.

**D523**

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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

$$\sum_{k=1}^{k=\infty} \frac{16 \times k^4 + 64 \times k^3 + 163 \times k^2 + 159 \times k + 27}{(k+2) \times (k+3) \times (16 \times k^2 - 9) \times (16 \times k^2 - 1)} = \frac{\pi}{8} \quad k \in \mathbb{N}$$

**NEW MATHEMATICAL FORMULA DAILY**