

*In memory of Justynka, my wife*

# FORMULAS

FORMULA No.

**D103**

'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

$k \in N$

$$\prod_{k=1}^{k=\infty} \left\{ 1 + \frac{2 \times \{2 \times (k+2) \times [(k+1) \times p_{k+2} - k \times p_k] + k \times p_k \times p_{k+1} \times p_{k+2}\}}{[(k-1) \times k \times p_k \times p_{k+1} - 4 \times (k+1)] \times (k+2) \times p_{k+2}} \right\} = -1 \frac{1}{2}$$

$p_k$  ( $k$ -th prime number)

**NEW MATHEMATICAL FORMULA DAILY**