

*In memory of Justynka, my wife*

# FORMULAS

FORMULA No.

**D175**

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

[www.and-just-math.com](http://www.and-just-math.com)

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

$$\prod_{k=1}^{k=\infty} \left[ 1 - \frac{115 \times (p_{k+1}^2 - p_k^2)}{(110 \times p_k^2 + 89) \times (5 \times p_{k+1}^2 + 3)} \right] = \frac{22}{23} \quad k \in \mathbb{N}$$

*p<sub>k</sub> (k-th prime number)*

**NEW MATHEMATICAL FORMULA DAILY**