FORMULAS

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

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

1 WEEK = 7 DAYS
=
7 FORMULAS

NEW MATHEMATICAL FORMULA DAILY

FORMULAS

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$$\sum_{k=1}^{k=\infty} \frac{1}{16 \times k^2 + 8 \times k - 3} = \frac{1}{12} \quad k \in N$$

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$$\sum_{k=1}^{k=\infty} \frac{k \times 2^{2 \times k}}{(k+4)!} = \frac{1}{6} \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid ●●

FORMULA No.

D363

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{13 \times k! \times (k^2 + k + 1) + 2^{k+1}}{(13 \times k \times k! + 2^{k+1}) \times [13 \times (k + 1) \times (k + 1)! + 2^{k+2}]} = \frac{1}{17}$$

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$$\sum_{k=1}^{k=\infty} \frac{k}{4 \times k^4 + 1} = \frac{1}{4} \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

FORMULAS

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Euclid
••

FORMULA No.

D365

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$$\sum_{k=1}^{k=\infty} \frac{(k-1) \times k - 4}{(k+1)^2 \times (k+2)^2} = 0 \qquad k \in N$$

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FORMULAS

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FORMULA No.

D366

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{18 \times k^2 - 16 \times k - 1}{(3 \times k - 2) \times (3 \times k + 1) \times (15 \times k - 14) \times (15 \times k + 1)} = \frac{1}{45}$$

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$$k \in N$$

$$\prod_{k=1}^{k=\infty} \left(1 - 4 \times sin^2 \left(\frac{\pi}{8 \times 5^k} \right) + 3,2 \times sin^4 \left(\frac{\pi}{8 \times 5^k} \right) \right) = \frac{4 \times \sqrt{2 - \sqrt{2}}}{\pi}$$

NEW MATHEMATICAL FORMULA DAILY

We invite you every
week and every day
to our website
www.and-just-math.com