



FORMULAS

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

FORMULA No.

W44

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



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D441

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$$\sum_{k=1}^{k=\infty} \frac{1}{4 \times k^2 + 16 \times k + 15} = \frac{1}{10} \quad k \in \mathbb{N}$$

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$$\sum_{k=1}^{k=\infty} \frac{k^2 + 7 \times k - 4}{(65 \times k^2 + 894 \times k + 3137) \times (65 \times k^2 + 1024 \times k + 4096)} = \frac{1}{66560} \quad k \in N$$

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$$\sum_{k=1}^{k=\infty} \sin\left(\frac{\pi}{2 \times 5^k}\right) \times \sin\left(\frac{\pi}{3 \times 5^k}\right) = \frac{2 - \sqrt{3}}{4} \quad k \in \mathbb{N}$$

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$$\sum_{k=1}^{k=\infty} \frac{k + 1}{k^4 + 4 \times k^3 + 11 \times k^2 + 14 \times k + 15} = \frac{1}{10} \quad k \in N$$

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$$\prod_{k=1}^{k=\infty} \frac{\cos\left(\frac{\pi}{3 \times 2^{k+2}}\right)}{\cos^2\left(\frac{\pi}{3 \times 2^{k+3}}\right)} = \frac{\pi \times (\sqrt{2} + \sqrt{3} + \sqrt{6} + 2)}{24} \quad k \in \mathbb{N}$$

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$$\sum_{k=1}^{k=\infty} \frac{2 \times k^2 + 20 \times k + 51}{(k + 4) \times (k + 5) \times (k + 6) \times (k + 7)} = \frac{11}{35} \quad k \in N$$

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$$\sum_{k=1}^{k=\infty} \frac{k+1}{k^4 + 4 \times k^3 + 7 \times k^2 + 6 \times k + 3} = \frac{1}{6} \quad k \in N$$

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week and every day
to our website
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Thanks for:
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