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

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$$\sum_{k=1}^{k=\infty} \frac{sin(8 \times k) \times cos(10 \times k)}{k} = \pi - 4 \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid
●●●●

FORMULA No.

D502

'No other science boosts the faith in the strength of the human spirit like mathematics.'
Hugo Steinhaus

$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{k^4 + 10 \times k^3 + 49 \times k^2 + 132 \times k + 144}{(k+2)^2 \times (k+3)^3 \times (k+4)^2} = \frac{61 - 6 \times \pi^2}{36}$$

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{4 \times k^4 + 16 \times k^3 + 21 \times k^2 + 8 \times k + 1}{(k+1)^2 \times (k+2)^2 \times (4 \times k^2 - 1)} = \frac{2 \times \pi^2 - 9}{12}$$

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{[(7 \times k^2 + 16 \times k + 9) \times k! + 6 \times k^3 + 12 \times k^2 + 3 \times k - 3] \times k! \times 2^{k+2}}{(2 \times k + 3)!} = 5 \times (\pi - 2)$$

NEW MATHEMATICAL FORMULA DAILY

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FORMULA No.

D505

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$$\sum_{k=1}^{k=\infty} \frac{sin(47 \times k)}{k} = \frac{15 \times \pi - 47}{2} \qquad k \in N$$

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{16 \times k^4 + 136 \times k^3 + 561 \times k^2 + 1234 \times k + 1089}{(4 \times k + 7) \times (4 \times k + 11) \times (k + 2)^2 \times (k + 3)^2} = \frac{2 \times \pi^2 - 15}{12}$$

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FORMULA No.

D507

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{k^4 + 9 \times k^3 + 33 \times k^2 + 55 \times k + 34}{(k+1)^2 \times (k+2)^3 \times (k+3)} = \frac{2 \times \pi^2 - 11}{12}$$

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