FORMULAS

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

● ● ●

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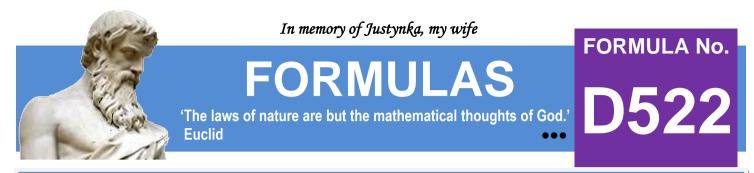Hugo Steinhaus

1 WEEK = 7 DAYS = 7 FORMULAS

NEW MATHEMATICAL FORMULA DAILY

FORMULAS

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

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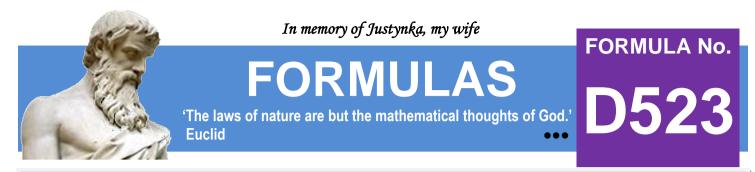Hugo Steinhaus

$$\sum_{k=1}^{k=\infty} \frac{(7 \times k + 32) \times 3^k}{7^k \times (k+5)!} = \frac{1}{40} \quad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

FORMULAS

FORMULA No.

D523

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

$$k \in N$$

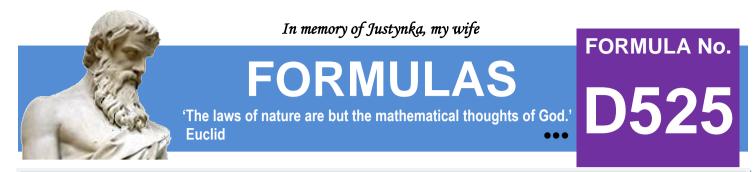$$\sum_{k=1}^{k=\infty} \frac{80 \times k^3 + 151 \times k^2 - 55 \times k - 121}{(5 \times k + 6) \times (5 \times k + 11) \times (k+1)!} = 1$$

NEW MATHEMATICAL FORMULA DAILY

FORMULAS

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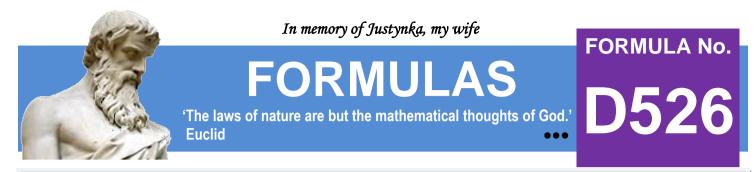$$\sum_{k=1}^{k=\infty} \frac{12 \times k^2 + 72 \times k + 109}{(2 \times k + 5)^3 \times (2 \times k + 7)^3} = \frac{1}{686} \qquad k \in N$$

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$$\sum_{k=1}^{k=\infty} \frac{(k^2 + 4 \times k - 10) \times 13^{k-1}}{(k+1)! \times (k+3)!} = \frac{1}{6} \quad {}^{k \in N}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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FORMULA No.

D526

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$$\sum_{k=1}^{k=\infty} \frac{\left(7^k - 7 \times 2^{2 \times k - 3} - 2^{2 \times k - 1}\right) \times 2^{2 \times k - 1}}{7^{2 \times k}} = \frac{1}{3} \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{k \times [5 \times (k+2) \times k! + 4]}{(k+1)! \times (5 \times k! + 4) \times [5 \times (k+1)! + 4]} = \frac{1}{9}$$

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week and every day
to our website
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