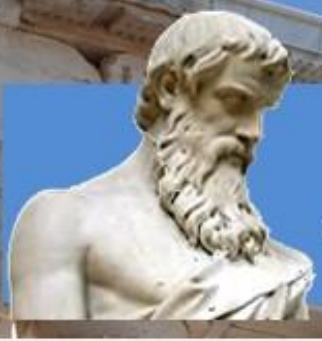

In memory of Justynka, my wife

FORMULAS

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

FORMULA No.

W35

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We are not mathematicians, but we love mathematics and create formulas ourselves.

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Hugo Steinhaus

1 WEEK = 7 DAYS = 7 FORMULAS

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

FORMULA No.

D351

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$$\sum_{k=1}^{k=\infty} \frac{k}{36 \times k^4 - 24 \times k^2 + 1} = \frac{1}{12} \qquad k \in N$$

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{15 \times k! \times \left(k^2 + k + 1\right) + 2^{k+2}}{(15 \times k \times k! + 2^{k+2}) \times [15 \times (k+1) \times (k+1)! + 2^{k+3}]} = \frac{1}{23}$$

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$$\sum_{k=1}^{k=\infty} \frac{(k-3)\times 6^{k}}{(k+3)!} = 1 \qquad k \in N$$

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$$\prod_{k=1}^{k=\infty} \frac{(k+2)\times(k+6)}{(k+4)^2} = \frac{2}{5} \qquad k \in N$$

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$$\sum_{k=1}^{k=\infty} \frac{1}{16 \times k^2 - 8 \times \sqrt{3} \times k - 1} = \frac{2 + \sqrt{3}}{4} \qquad k \in N$$

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$$k \in N$$

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

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{15 \times k^2 - 13 \times k - 1}{(5 \times k - 4) \times (5 \times k + 1) \times (10 \times k - 9) \times (10 \times k + 1)} = \frac{1}{50}$$

NEW MATHEMATICAL FORMULA DAILY

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

Thanks for:
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