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

'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

$$k \in N$$

$$\sum_{k=1}^{k=\infty} arc\,tg\left(\frac{\sqrt{3} \times 2^{k-1}}{(2^{k-1}-1) \times (2^{k}-1) + 3 \times 2^{2 \times k-1}}\right) = \frac{\pi}{6}$$

NEW MATHEMATICAL FORMULA DAILY

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

$$k \in N$$

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

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

$$k \in N$$

$$\sum_{k=1}^{k=\infty} arc\, tg\left(\frac{4 \times (k+2)^2}{5 \times k^4 + 31 \times k^3 + 72 \times k^2 + 76 \times k + 32}\right) = arc\, tg\left(\frac{1}{2}\right)$$

NEW MATHEMATICAL FORMULA DAILY

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

$$k \in N$$

$$\sum_{k=1}^{k=\infty} arc\,tg\left(\frac{121}{14762 \times k^2 - 14740 \times k + 10}\right) = arc\,tg(11)$$

NEW MATHEMATICAL FORMULA DAILY

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

$$k \in N$$

$$\sum_{k=1}^{k=\infty} arc\, ctg\left(\frac{4}{3} \times k^2 + \frac{2}{3} \times (3 \times \sqrt{3} - 2) \times k + 3 - \sqrt{3}\right) = \frac{\pi}{6}$$

NEW MATHEMATICAL FORMULA DAILY

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

$$\sum_{k=1}^{k=\infty} sin\left(\frac{5^{k-1} \times \pi}{7^k}\right) \times sin\left(\frac{5^{k-1} \times \pi}{6 \times 7^k}\right) = \frac{2 - \sqrt{3}}{4} \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

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

$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{k \times \sqrt{(k+1)^2 \times (k+2)^2 + 4} - (k+2) \times \sqrt{k^2 \times (k+1)^2 + 4} + 4}{k \times (k+1) \times (k+2)} = 2 - \sqrt{2}$$

NEW MATHEMATICAL FORMULA DAILY

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