



FORMULAS

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

FORMULA No.

W29

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



FORMULAS

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

FORMULA No.

D291

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

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

NEW MATHEMATICAL FORMULA DAILY



FORMULAS

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

FORMULA No.

D292

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

$$\sum_{k=1}^{k=\infty} \text{arc ctg}(4 \times (2 + \sqrt{3})k^2 - 2 \times (2 + 3 \times \sqrt{3}) \times k + 5 - 3 \times \sqrt{3}) = \frac{5 \times \pi}{12} \quad k \in \mathbb{N}$$

NEW MATHEMATICAL FORMULA DAILY



FORMULAS

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

FORMULA No.

D293

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

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

NEW MATHEMATICAL FORMULA DAILY



FORMULAS

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

FORMULA No.

D294

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

$$\sum_{k=1}^{k=\infty} \frac{4 \times k + 5}{k \times (k + 1) \times (2 \times k + 3) \times (2 \times k + 5)} = \frac{1}{5} \quad k \in N$$

NEW MATHEMATICAL FORMULA DAILY



FORMULAS

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

FORMULA No.

D295

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

$k \in N$

$$\sum_{k=1}^{k=\infty} \operatorname{arc\,tg} \left(\frac{25}{650 \times k^2 - 640 \times k - 4} \right) = \operatorname{arc\,tg}(5)$$

NEW MATHEMATICAL FORMULA DAILY



FORMULAS

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

FORMULA No.

D296

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

$$\sum_{k=1}^{k=\infty} \frac{\sin\left(\frac{\pi}{10 \times 3^k}\right)}{\cos\left(\frac{\pi}{10 \times 3^{k-1}}\right)} = \frac{\sqrt{25 - 10} \times \sqrt{5}}{10} \quad k \in \mathbb{N}$$

NEW MATHEMATICAL FORMULA DAILY



FORMULAS

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

FORMULA No.

D297

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

$$\sum_{k=1}^{k=\infty} \operatorname{arc} \operatorname{tg} \left(\frac{36}{37 \times k^2 + 395 \times k + 1080} \right) = \operatorname{arc} \operatorname{tg} \left(\frac{1}{6} \right) \quad k \in \mathbb{N}$$

NEW MATHEMATICAL FORMULA DAILY



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

Thanks for:
Photo nonbirinonko z Pixabay
Photo Gordon Johnson z Pixabay
Photo lange-adrian z Pixabay