# FORMULAS

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

FORMULA No.

W33

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.

D331

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

$$\prod_{k=1}^{k=\infty} cos\left(\frac{5\times\pi}{2^{2\times k+3}}\right)\times cos\left(\frac{5\times\pi}{2^{2\times k+4}}\right)=\frac{8\times\sqrt{2+\sqrt{2-\sqrt{2}}}}{5\times\pi} \qquad k\in N$$

NEW MATHEMATICAL FORMULA DAILY

# FORMULAS

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

FORMULA No.

D332

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

$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{k^2 + k - 1}{(5 \times k^2 + 6 \times k + 5) \times (5 \times k^2 + 16 \times k + 16)} = \frac{1}{80}$$

NEW MATHEMATICAL FORMULA DAILY

# FORMULAS

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

FORMULA No.

D333

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

$$k \in N$$

$$\sum_{k=1}^{k=\infty} arc\,tg\left(\frac{9}{90 \times k^2 - 84 \times k - 2}\right) = arc\,tg(3)$$

NEW MATHEMATICAL FORMULA DAILY

# FORMULAS

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

FORMULA No.

D334

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

$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{k^2 + 5 \times k - 3}{(37 \times k^2 + 358 \times k + 901) \times (37 \times k^2 + 432 \times k + 1296)} = \frac{1}{15984}$$

NEW MATHEMATICAL FORMULA DAILY

# FORMULAS

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

FORMULA No.

D335

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

$$k \in N$$

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

NEW MATHEMATICAL FORMULA DAILY

# FORMULAS

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

FORMULA No.

D336

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

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

NEW MATHEMATICAL FORMULA DAILY

# FORMULAS

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

FORMULA No.

D337

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

$$k \in N$$

$$\sum_{k=1}^{k=\infty} arc\,tg\left(\frac{64}{65 \times k^2 + 959 \times k + 3584}\right) = arc\,tg\left(\frac{1}{8}\right)$$

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