

In memory of Justynka, my wife

FORMULAS

FORMULA No.

W22

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



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

In memory of Justynka, my wife

FORMULAS

FORMULA No.

D221

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

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

$$\sum_{k=1}^{k=\infty} \frac{[(p_k + 1) \times p_{k+1} \times (k + 2) - 11 \times p_k] \times 11^{k+1}}{p_k \times p_{k+1} \times (k + 2)!} = e^{11} + 18 \frac{1}{4}$$

$k \in N$

p_k (k -th prime number)

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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

FORMULA No.

D222

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

$$\prod_{k=1}^{k=\infty} \left[1 - \frac{13 \times k + 12}{13 \times (k + 1) \times (12 \times 13^{k-1} \times k! + 1)} \right] = \frac{12}{13} \quad k \in \mathbb{N}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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

FORMULA No.

D223

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

$$\sum_{k=1}^{k=\infty} \frac{16 \times k^4 + 48 \times k^3 + 119 \times k^2 + 133 \times k + 28}{(k+1) \times (k+2) \times (16 \times k^2 - 9) \times (16 \times k^2 + 32 \times k + 7)} = \frac{3 \times \pi + 4}{72} \quad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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

FORMULA No.

D224

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

$k \in N$

$$\sum_{k=1}^{k=\infty} \frac{(p_{k+2} \times p_{k+4} - p_{k+3}^2) \times k + (p_{k+2} + 3 \times p_{k+3}) \times p_{k+4}}{[3 \times (k+1) \times p_{k+3} + p_{k+2}] \times [3 \times (k+2) \times p_{k+4} + p_{k+3}]} = \frac{26}{141}$$

p_k (k -th prime number)

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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

FORMULA No.

D225

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

$k \in \mathbb{N}$

$$\sum_{k=1}^{k=\infty} \frac{(p_{k+2} - p_{k+1}) \times [p_{k+1} \times p_{k+2} + 2 \times (p_{k+1} + p_{k+2})] - p_{k+1} \times p_{k+2} \times \left(p_{k+2} \times e^{\frac{2}{p_{k+1}}} - p_{k+1} \times e^{\frac{2}{p_{k+2}}} \right)}{p_{k+1}^2 \times p_{k+2}^2} = \frac{5 - 3 \times e^{\frac{2}{9}}}{9}$$

p_k (k -th prime number)

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

FORMULA No.

D226

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



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

$k \in N$

$$\sum_{k=1}^{k=\infty} \frac{[(\pi^2 - 6) \times k^2 + 2 \times (5 \times \pi^2 - 24) \times k + 25 \times \pi^2 - 96] \times 6^{k-1}}{(k+4)^2 \times (k+5)^2 \times \pi^{2 \times k}} = \frac{1}{25}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

FORMULA No.

D227

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

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

$$\sum_{k=1}^{k=\infty} \frac{\ln \left[\frac{(k+1)^{e^2} \times (k+3)}{(k+2)^{2 \times e}} \right]^k}{e^{k+1}} = \ln 2 \quad k \in \mathbb{N}$$

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