

ΣΥΝΕΧΗ ΚΛΑΣΜΑΤΑ

$$\pi = 2 + \frac{2}{1 + \frac{1}{\frac{1}{2} + \frac{1}{\frac{1}{3} + \frac{1}{\frac{1}{4} + \dots}}}}$$

$$\pi = 2 + \frac{4}{3 + \frac{1 \times 3}{4 + \frac{3 \times 5}{4 + \frac{5 \times 7}{4 + \dots}}}}$$

$$\frac{\pi}{2} = 1 - \frac{1}{3 - \frac{1}{1 - \frac{2 \times 3}{3 - \frac{4 \times 5}{1 - \frac{3 \times 4}{3 - \frac{6 \times 7}{1 - \dots}}}}}}$$

$$\frac{4}{\pi} = 1 + \frac{1^2}{3 + \frac{2^2}{5 + \frac{3^2}{7 + \frac{4^2}{9 + \dots}}}}$$

$$\pi = 3 + \frac{1^2}{6 + \frac{3^2}{6 + \frac{5^2}{6 + \frac{7^2}{6 + \dots}}}}$$

$$\frac{12}{\pi^2} = 1 + \frac{1^4}{3 + \frac{2^4}{5 + \frac{3^4}{7 + \frac{4^4}{9 + \dots}}}}$$

$$\frac{16}{\pi} = 5 + \frac{1^2}{10 + \frac{3^2}{10 + \frac{5^2}{10 + \frac{7^2}{10 + \dots}}}}$$

$$\pi = \frac{4}{1 + \frac{1^2}{3 + \frac{2^2}{5 + \frac{3^2}{7 + \frac{4^2}{9 + \dots}}}}}$$

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$$\sqrt{2} = 1 + \frac{1}{2 + \frac{1}{2 + \frac{1}{2 + \frac{1}{2 + \frac{1}{2 + \dots}}}}}$$

$$\varphi = 1 + \frac{1}{1 + \frac{1}{1 + \frac{1}{1 + \frac{1}{1 + \dots}}}}$$

$$e = 2 + \frac{1}{1 + \frac{1}{2 + \frac{2}{3 + \frac{3}{4 + \frac{4}{5 + \frac{5}{6 + \dots}}}}}}$$