Euler 1700s

$$\frac{2}{\pi-2} = PCF(1, n(n+1))$$

$$\frac{2}{4-\pi} = PCF(2, n^2)$$

$$\frac{2}{\pi} - \frac{1}{2} = \sum_{n=0}^{\infty} \frac{2^{-4n-4} \binom{2n}{n} \binom{2n+2}{n+1}}{(n+1)(2n+1)}$$

$$2\pi - 4 = \sum_{n=1}^{\infty} \frac{16^n}{n^2 (2n+1)^2 \binom{2n}{n}^2}$$

Gauss 1813

-0.91

$$\frac{4}{\pi} = PCF \left(2n + 1, n^2\right)$$

Euler 1700s

$$\pi + 3 = PCF (6, (2n-1)^2)$$



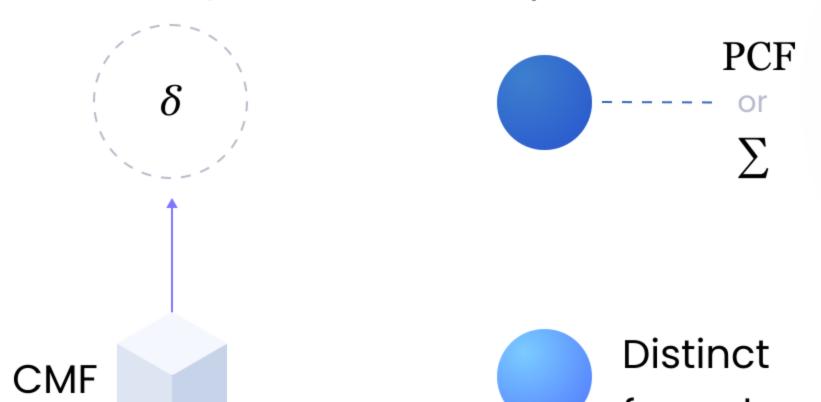
-1.00

(3, 1, 1)

$$\frac{4}{\pi}$$
 + 1 = PCF (2, (2n-1)²)

-0.45

Coboundary cluster Example from cluster



formula

Ramanujan Machine 2021

-1.00

(0,1,2)

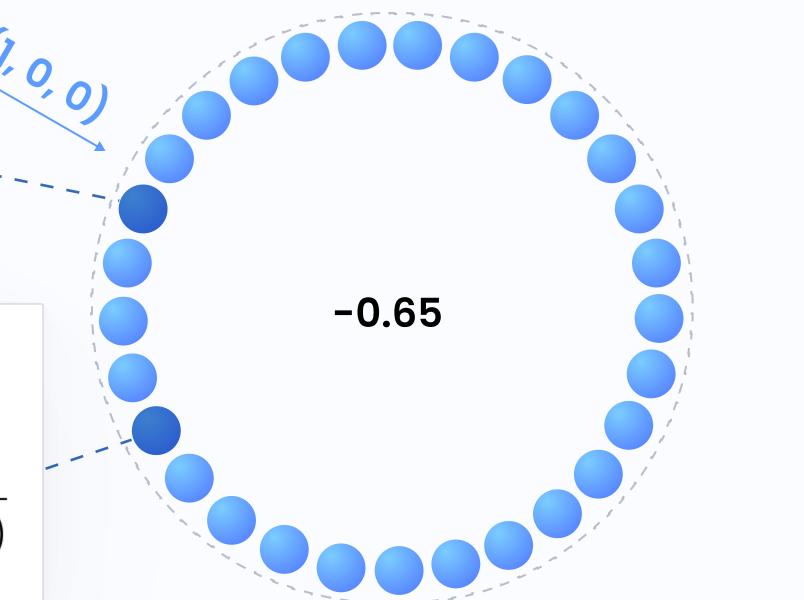
(0,0,2)

(0,0,0)

$$\frac{2}{\pi} = PCF (3n+1,-n(2n-1))$$

Sun 2022

$$\frac{3\pi}{2} + 2 = \sum_{n=1}^{\infty} \frac{4^{n} (12n-5)}{(2n-1)\binom{4n}{2n}}$$



-0.48

(2,1,1)