

NZZZZ $\lim_{n\to\infty} \left[\left(1+\frac{1}{n} \right) \sin \frac{\pi}{n^2} + \left(1+\frac{2}{n} \right) \sin \frac{2\pi}{n^2} + \dots + \left(1+\frac{n-1}{n} \right) \sin \frac{(n-1)\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \sin \frac{(n-1)\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \sin \frac{(n-1)\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \sin \frac{(n-1)\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \cos \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \sin \frac{\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \cos \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \cos \frac{\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \cos \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \cos \frac{\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \cos \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \cos \frac{\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \cos \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \cos \frac{\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \cos \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \cos \frac{\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \cos \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \cos \frac{\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \cos \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \cos \frac{\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \cos \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \cos \frac{\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \cos \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \cos \frac{\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \cos \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \cos \frac{\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \cos \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \cos \frac{\pi}{n^2} \right] = \left[\log \left(\frac{1}{n} \right) \cos \frac{\pi}{n^2} + \dots + \left(\frac{1}{n} \right) \cos \frac{\pi}{n^2} \right] = \left[\log \left(\frac$ = $\lim_{n \to +\infty} \left(\left(\frac{1}{n} + \frac{1}{n} \right) \left(\frac{1}{n^2} + \frac{1}{n} \right) + \left(\frac{1}{n^2} + \frac{1}{n} \right) \left(\frac{1}{n^2} + \frac{1}{n} \right) + \left(\frac{1}{n^2} + \frac{1}{n} \right) \left(\frac{1}{n^2} + \frac{1}{n} \right) + \left(\frac{1}{n^2} + \frac{1}{n} \right) \left(\frac{1}{n^2} + \frac{1}{n}$ manere pyrkymy, T.K. Sur Sur= a Lu-Su=Su n= (n-1) = T (m) (2 (n-1)n) 1 (n-1)(n)(2n-1) = $\pi \lim_{n \to \infty} \left(\frac{1}{2} - \frac{1}{2n} + \frac{2n^2 - n^2 - 2n^2 + n}{6n^3} \right) = \pi \lim_{n \to \infty} \left(\frac{1}{2} + \frac{1}{3} - \frac{1}{3n^2 + n} + \frac{3n^2 + n}{6n^3} \right)$ = 17-(1+3)= 55



