

modern

By the way, *fiet*s  $\int_0^{2\pi} \sin(x)dx = 0$ , while  $\sum_{n=1}^{\infty} n^{-1} = +\infty$  and

$$\int_0^{2\pi} \sin^2(x)dx = \pi, \quad \sum_{n=1}^{\infty} \frac{1}{n^2} = \frac{\pi^2}{6}.$$