WolframAlpha™ computational™ knowledge engine

Integrate[Sin[z]^2/Sinh[z]^2, {z, 0, Infinity}]

Definite integral:

$$\int_0^\infty \frac{\sin^2(z)}{\sinh^2(z)}\, dz = \frac{1}{4}\left(-1 + 2\pi \coth(\pi)\right) \approx 1.32667\ldots$$

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