

C4282

! For an efficient use of these tables, first read [HowTo.pdf](#).

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**T2.38A.** Integrands involving hyperbolic functions on the interval  $(0, \pi/2)$ .

$$1. \int_0^{\pi/2} \frac{\sinh[(r-p) \tan x]}{\sinh(r \tan x)} dx = \pi \sum_{k=1}^{\infty} \frac{1}{k\pi + r} \sin \frac{pk\pi}{r}, \quad p^2 < r^2.$$

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