

ZMATH 2012e.00686

Packard, Erik; Reitenbach, Markus

A generalization of the identity $\cos \pi/3 = 1/2$.

Math. Mag. 85, No. 2, 124-125 (2012).

Summary: Using Euler's theorem and the geometric sum formula, we prove trigonometric identities for alternating sums of sines and cosines.

Classification: I30 G60

Keywords: trigonometric formulae; trigonometric identities; geometric sum formula

doi:10.4169/math.mag.85.2.124