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Borwein, David; Borwein, Jonathan

Deriving new sinc results from old.

Am. Math. Mon. 121, No. 8, 700-705 (2014).

Summary: From previously established results in our paper [Ramanujan J. 5, No. 1, 73–89 (2001; Zbl 0991.42004)], we develop a simple proof of *K. Ball's* expression in [Proc. Am. Math. Soc. 97, 465–473 (1986; Zbl 0601.52005)] for the volume of the intersection of an $(n - 1)$ -dimensional hyperplane with an n -dimensional cube, as well as a simple proof of the formula given by *R. Frank* and *H. Riede* [Am. Math. Mon. 119, No. 10, 868–872 (2012; Zbl 1264.51015)] for that volume.

Classification: G75 G95 I55

Keywords: volume; hyperplane; cube

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