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Kim Plofker* (kim_plofker@alumni.brown.edu), Department of Mathematics, Union College, Schenectady, NY 12308. *An Indian version of al-Kāshī's method of iterative approximation of $\sin 1^\circ$.*

An ingenious technique attributed to the 15th-century astronomer-mathematician Jamshīd al-Kāshī for iteratively approximating the sine of 1° was adapted into a Sanskrit recension sometime in the early 18th century. We explore the adaptation process and some refinements in the Sanskrit version. (Received September 20, 2016)