

1035-01-248

Mohammad K. Azarian* (azarian@evansville.edu), Mathematics Department, University of Evansville, 1800 Lincoln Avenue, Evansville, IN 47722. *Al-Risala al-Muhitiyya (The Treatise on the Circumference)*. Preliminary report.

One of the four greatest mathematical achievements of Ghiyath al-Din Jamshid Mas'ud al-Kashi (also referred to as Kashi, Kashani, or al-Kashani) is al-Risala al-Muhitiyya. This risala, which was written long-hand in Arabic by Kashani himself, was completed in July 1424 (Shaban 827 A. H. L.). In this presentation we will discuss the mathematical content of this treatise. (Received August 24, 2007)