

« A Mathematical Treatise Written in the Samarqand Observatory of Ulugh Beg ». *Zeitschrift für Geschichte der Arabisch-Islamischen Wissenschaften*, 15 (2002 - 2003), pp. 25-65.

Benno van Dalen



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- 1 The mathematician and astronomer Ġiyāṭ al-Dīn Jamšīd al-Kāšī from Kāšān, who worked at the observatory of Ulugh Beg in Samarkand until his death in 1429, devised a well-known algorithm by means of which the sine of one degree can be calculated with arbitrary accuracy. This article presents a translation of a contemporary commentary describing this algorithm, which is extant in at least eight manuscript copies (a ninth copy was recently found in Oxford), together with a facsimile of a lithograph edition of this work published in Tehran in 1881/82. Five of the extant copies attribute the commentary to al-Kāšī's colleague at Samarkand, Qāḍī-Zāde al-Rūmī, but the first author of this article maintains that it could have been written by Ulugh Beg himself.

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Thèmes : 10. Histoire des Sciences et des Techniques

nompropre Ġiyāṭ al-Dīn Jamšīd al-Kāšī, Qāḍī-Zāde al-Rūmī

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