Muhyi L'din Al-Maghribi Encyclopedia Article

Muhyi L'din Al-Maghribi

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Muhyi L'din Al-Maghribi

1220-1283?

Arab astronomer and mathematician who calculated the approximate value for the sine of 1°. Born in Spain, al-Maghribi spent his most fruitful years working with al-Tusi at the observatory established by their patron, the Mongol conqueror Hulagu Khan, at the city of Maragheh in what is now Azerbaijan. There al-Maghribi made a number of observations on the Sun and on the mathematical means required to calculate solar eccentricity and apogee. His calculation of the value of the sine for 1° appears in his *Treatise on the Calculation of Sines,* and would prove the most accurate until the work of Qadi Zada.