

## Literature on the Astrolabe

The information on the astrolabe of al-Khujandī can be found in D.A.King, Early Islamic Astronomical Instruments in Kuwaiti Collections, in: Fullerton, A., Fehérvári, G., *Kuwait: Arts and Architecture. A Collection of Essays*. Kuwait: 1995, pp. 76-96. See also David A. King, Strumentazione astronomica nel mondo medievale islamico, in: Giulio Einaudi ed., *Storia delle scienze: Gli strumenti*, Torino 1991, pp. 154-189, 581-585 (with a large bibliography).

The star positions have been taken from: Alan Hirschfeld, Roger Sinnott (ed.), *Sky Catalogue 2000.0*, Vol. 1, Cambridge U.K.: Cambridge University Press, 1982.

A short and clear article on the mathematical principle of the astrolabe is John North, The Astrolabe, *Scientific American* **230** (i) (January 1974), pp. 96-106.

For more details see Raymond D'Hollander, *L'Astrolabe: Histoire, Théorie et Pratique*, Paris: Institut Océanographique, 2002; H. Michel, *Traité de l'Astrolabe*, Paris: Gauthier-Villars, 1947; Burkhard Stautz, *Untersuchungen von mathematisch-astronomischen Darstellungen auf mittelalterlichen Astrolabien islamischer und europäischer Herkunft*, Bassum: Verlag für Geschichte der Naturwissenschaften und Technik, 1997; Rob van Gent, *The Portable Universe: Two Astrolabes from Museum Boerhaave*, Leiden: Boerhaave Museum, 1994. Many older articles on the astrolabe have been reprinted in F. Sezgin. ed., *Arabische Instrumente in orientalistischen Studien*, Frankfurt, Institut für Geschichte der arabisch-islamischen Wissenschaften, 1991, 6 vols.