

## - Foot, astrolabes, livres

Jean-Claude Berçu fait remarquer que la demi finale France-Maroc se tiendra en même temps que la conférence de Brigitte Alix au CNAM (réf info-mails 111 et 131).

Mais il précise qu'il n'y a pas que le foot au Qatar.

La preuve?

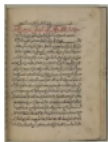
ces sites à découvrir :

<https://www.qdl.qa/en/ibn-al-raqq%C4%81m%E2%80%99s-treatise-sundials>

<https://www.qdl.qa/en/search/site/astrolabe>

<https://www.qdl.qa/en/search/site/sundial>

Found 52 matches in 43 records for "astrolabe"  
Showing records 1 to 10



**al-Kāmil ...**  
الكامل في صناعة الأستrolab الشمالي والجنوبي وعظمتها بالهندسة والعمارة  
The oldest known copy of the earliest Arabic text on the construction of the **astrolabe**, by Ahmad... circles (f. 26r); Forty-five tables for ...  
104 images in record Ref: Or 14270, ff 21v-73r Date(s): 28 Shawwāl 691



**al-Kāmil fi san'at al-asturlāb al-shimālī wa-al-junūbī wa-'ilālihumā bi-l-handasah wa-al-'isab**  
الكامل في صناعة الأستrolab الشمالي والجنوبي ...  
Earliest known Arabic treatise on the construction of the **astrolab**, by Ahmad ibn Muhammad... century by Lorch ( Al-Farghānī On the **Astrolabe** ...  
96 images in record Ref: Or 5479, ff 37v-85r Date(s): 13th century



**Anonymous treatise on the linear astrolabe**  
Anonymous treatise on the construction and use of the linear **astrolabe**

Found 28 matches in 23 records for "sundial"  
Showing records 1 to 10



**Two treatises on gnomonics Ibn al-Raqqām, Muhammad ibn Ibrāhīm**  
ابن الرقām محمد بن إبراهيم  
Two treatises on the construction and use of **sundials** by the Andalusian scholar Abū 'Abd Allāh Muḥammad ibn Ibrāhīm ibn 'Alī ibn Aḥmad ...  
74 images in record Ref: Or 9587 Date(s): 1270-1315



**Risālah fi 'ilm al-zalālāt**  
رسالة في علم الظلال  
Ibn al-Raqqām, Muḥammad ibn Ibrāhīm  
ابن الرقām محمد بن إبراهيم  
A comprehensive treatise on the construction and use of several types of **sundials**, including explanations of the theoretical principles of gnomonics. ...  
57 images in record Ref: Or 9587, ff 1v-29v Date(s): 1270-1315



**'Amal 'āmm fi 'amal ālāt al-izālā**  
عمل عام في عمل آلات الإزالة  
Ibn al-Ruqqām, Muḥammad ibn Ibrāhīm  
ابن الرقām محمد بن إبراهيم