

دراسة ونشر لبوصلتين معدنيتين من إيران في العصر الصفوي محفوظتين بمتحف الفن الإسلامي بالقاهرة	عنوان البحث باللغة العربية
Study and Publication of Two Iranian Metal Compasses in the Safavid Era, Preserved in the Museum of Islamic Art in Cairo	عنوان البحث باللغة الانجليزية
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Abstract:

The paper aims to study and publish two Iranian compasses preserved in the Museum of Islamic Art in Cairo. These compasses are considered important examples of astronomical instruments in Iran in the Safavid era in general and of metal compasses in particular. The study discusses the development of astronomy in the Safavid era. The study aims to translate the writings recorded on the compass that were recorded in the Persian language. The paper discusses the function of the compass, the mechanism of how the inch works. The paper discusses the astronomical methods and calculations used in These compasses. The compasses contain the names of a large number of cities from Iran, Iraq and the Arabian Peninsula and the direction and degrees of the Qibla in each city, and studying the difference between the function of the compass and the function of the astrolabe. Through a comparative study of the names of the cities recorded on the two compasses and the current time, it is possible to identify some of the political and administrative changes that have occurred geographically in the world. The paper also discusses a study of the industrial and decorative methods used in making the two compasses. The research clarifies the decorations executed on the two compasses and their relationship to the function of the masterpiece, such as the floral decorations on the masterpiece, the most important of which are Rumi decorations and geometric decorations.