

The Stair way to Heaven ,or Seven articles of "Sullam-al- Sama", of Al- Kashi, for determination of the diameter, distance, and the masses of the earth and its seven planets.

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Abstract

The Original title of the book is Sulam-al-Sama (Ladder of Heaven) or Resaleh – Kamalieh of Jamshid Al-Kashi , who Al-Kashi had written for extracting the distances, diameters and masses of seven known planets at that time (March 1407). The 1th article is about the evaluation of the area of the earth, the 2th about the dimension of the moon and its diameter, the 3th.one is about the sun and its characteristics, and the top of its shadow cone, the 4th.one about the dimensions of lower planets and their diameters, the 5th one about the upper plants and their diameters. The 6th one about the dimension of the stars, and the 7th about the masses of the stars.

The original manuscript of this book is in the Astan-e-Ghods Library at Mashhad Iran, and also was referred at Brockelmann, Carl : Geschichte der arabischen Litteratur 1949 & 1943. This book has not been translated to Persian or any other foreign languages . Its title is mentioned only in the literature. (Search for Kashani 's works in the internet)