

SAW Seminar: **Mathematical practices in the context of the astral sciences**

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The Suryagrahana of Muhammad Shah: Foreign mathematical tools in a study of solar eclipses

Abstract: A late Sanskrit prose manuscript from western India analyzes the computation of solar eclipses and associated data as they are treated in both Islamic and European astronomy, with particular reference to the Zij-i Muhammad Shah. We will investigate how it presents and justifies the "non-traditional" mathematical methods used therein.