

Estimating the Synodic period of the Moon by Meridian transit Method

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The study about synodic period of the Moon during 1983 –2030 by Ephemeris. The Moon's transit time at observer's meridian were estimated consequently and can be plotted with Julian date to compare with The transit times of the sun in the same graph, therefore the difference between two intersected points were estimated to each Synodic period of the Moon. The result was shown that there were 594 number of synodic period in 1983-2030 and tended to distribute like "Beats" phenomena.

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