

# Aryabhaṭa II | Encyclopedia.com

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(*fl.* between ca. a. d. 950 and 1100).

Of the personality of Āryabhaṭa II, the author of the *Mahāsiddhānta* (or *Āyasiddhānta*), virtually nothing is known. His date can be established only by his alleged dependence on Śrīdhara who wrote after Mahāvīra (*fl.* 850) and before Abhayadeva Sūri (*fl.* 1050); and by his being referred to by Bhāskara II (*b.* 1114). He must be dated, then, between *ca.* 950 and 1100. Kaye's strange theories about the two Āryabhaṭas, which would have placed Āryabhaṭa II before al-Bīrūnī (963–after 1048), have been refuted by Datta. Nothing further can be said of Āryabhaṭa II; manuscripts of his work are found in Mahārāṣṭra, Gujarat, and Bengal.

The *Mahāsiddhānta* (see Essay VII) consists of eighteen chapters:

1. On the mean longitudes of the planets
2. On the mean longitudes of the planets according to the (otherwise unknown) *Parāśarasiddhānta*.
3. On the true longitudes of the planets.
4. On the three problems relating to diurnal motion.
5. On lunar eclipses.
6. On solar eclipses.
7. On the projection of eclipses and on the lunar crescent.
- 8–9. On the heliacal risings and settings of the planets.
10. On the conjunctions of the planets
11. On the conjunctions of the planets with the stars.
12. On the *pātas* of the sun and moon. Chapters 13–18 form a separate section entitled *Golādhyāya* (“On the Sphere”)
13. Questions on arithmetic, geography, and the mean longitudes of the planets.
- 14–15. On arithmetic and geometry.
16. On geography.
17. Shortcuts to finding the mean longitudes of the planets.
18. On algebra.

The *Mahāsiddhānta* was edited, with his own Sanskrit commentary, by MM. Sudhaākara Dvivedin, in *Benares Sanskrit Series* 148–150 (Benares, 1910).

## BIBLIOGRAPHY

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