



A reconstruction of Fine's table of sines (1530)

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Introduction

This document gives an exact (modern) reconstruction of Oronce Fine's sine table published in 1530 [1] (figure 1) and reprinted in 1542 [2] and 1550 [3].

Fine's original table, with which the reconstruction can be compared, is certainly based on a manuscript of Regiomontanus's large sexagesimal table, without truncating.

The context of these tables, as well as the details of their construction are found in my separate survey [5].

References

- [1] Oronce Fine. *De geometria libri duo*. Paris, 1530.
- [2] Oronce Fine. *De mundi sphaera, sive cosmographia*. Paris: Simon de Colines, 1542.
- [3] Oronce Fine. *De rectis in circuli quadrante subtensis (quos vocant sinus) libri duo. Tabula sinuum rectorum, in partibus qualium semidiameter est 60, per ipsum minutim supputata*. Paris: Reginald and Claude Calder, 1550. [This table was recomputed in 2021 by D. Roegel [4].]
- [4] Denis Roegel. A reconstruction of Fine's table of sines (1550). Technical report, LORIA, Nancy, 2021. [This is a reconstruction of the tables of [3].]
- [5] Denis Roegel. A survey of the main fundamental European trigonometric tables printed in the 15th and 16th centuries. Technical report, LORIA, Nancy, 2021.

