

Frontispiece: Fitzwilliam Museum, Cambridge, Acc.no. CG 656. A ring of engraved lapis lazuli set in gold, dated to the 16th century. It depicts a bearded philosopher or mathematician sitting before an engraved celestial sphere, compass in hand, looking up at the sun, moon, and stars, which are displayed in gold. This ring was previously considered to be a Roman item, but this dating has been revised by curators at the The Fitzwilliam Museum, which was personally confirmed by Victoria Avery, Keeper of Applied Arts. Photograph © The Fitzwilliam Museum


Figure 8: Tomb at Pella, Central Macedonia, Greece, ca. 300 Bce. A fresco belonging to the Ephorate of Antiquities of Pella. It depicts a young philosopher standing on a green knoll, holding a pointer directed towards a blue sphere that rests on a stand. © Ministry of Culture and Sports, Archaeological Resources Fund, Greece.


Figure 8a: The same, in high resolution and with better colors, but the sphere cropped out.


Figure 9: Roman mosaic from the Villa of Titus Siminius Stephanus, Pompeii, 1st c. BCE-1st c. CE, now in the Museo Archeologico Nazionale, Naples, inv. 124545 . Seven sages, or philosophers, in discussion. The central figure uses a pointer to indicate a solid or armillary sphere. Photograph © Jebulon / Wikimedia Commons.


Figure 10: Mosaic depicting an armillary sphere, late 2nd to early 1st century BCE, now in the Area Archeologica e Antiquarium di Solunto, Sicily. Photograph © Elizabeth F. Evans.







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Figure 12: Vat. gr. 204, 15v; the beginning of $\operatorname{Sph}$. II. 14 (ID in the margin, in red ink), with the diagram for Sph.II. 13 (labelled I $\Gamma$ in black ink) following the text of that proposition, as usual. © Biblioteca Apostolica Vaticana.


Figure 12: The Arden Hyperides papyrus, P.Lond.Lit.132, ca. 100 Ce. © The Trustees of the British Museum.


Figure 13: Detail of a caliper, or dividers, in a battered relief of the 1st century CE depicting a carpenter's workshop, now in the Musei Capitolini, Rome, MC2743. Photograph © Marie-Lan Nguyen / Wikimedia Commons.

