

1163-01-1603 **Eunsoo Lee*** (agwaves@gmail.com). *As shown in the diagram.* Preliminary report.

A formulaic phrase, as shown in the diagram, is a typical channel in modern mathematics through which the text invites the reader to see the visual. This deictic phrase traces back through early modern science at least to the late Middle Ages when some authors pointed out the visual through a similar Latin phrase, "sicut patet in hac figura (as manifest in this figure)." Can we find a corresponding phrase in ancient Greek mathematical science? If so, to what extent did the phrase play a similar role as its modern correspondent? This paper explores how ancient Greek mathematical science conveyed the visual in the text. To this end, the paper analyzes some spots where ancient mathematical texts incorporated the visual through the phrase, "as in the figure." The case studies in this paper show various aspects of the relationship between the text and the visual in ancient science. Thus, the paper confirms different mindsets in using visuals between ancient and modern mathematics but at the same time questions the simple dichotomy between *mentalite par les yeux* and *par l'oreille*. (Received September 15, 2020)