

ZMATH 2011c.00907

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Unravelling Roman mosaic meander patterns: a simple algorithm for their generation.

J. Math. Arts 4, No. 1, 1-11 (2010).

The paper discusses a specific pattern observable in a Roman mosaic in the Chedworth Villa in Gloucestershire. The emphasis of the paper is on the description of a possible algorithm for generating this and similar meander patterns, as they are found throughout the Roman empire. The pattern of the mosaic consists of four closed curves forming a swastika meander pattern, with all the swastikas opening in a clockwise manner. The possibility of obtaining a similar pattern with part of the swastikas opening in a counterclockwise manner is discussed, as well as connections to sona drawings from Angola and kolam drawings from India.

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Classification: M80 A30

Keywords: Roman mosaics; meander patterns; algorithmic generation of patterns; soma art; kolam art
doi:10.1080/17513470903311644