End of the square?

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It has been recently argued that the well-known square of opposition is a useless gathering that can be reduced to a one-dimensional figure, viz. an ordered line segment of positive and negative integers [1]. However, onedimensionality leads to some difficulties once the structure of opposed terms goes beyond categorical statements, including logical hexagons.

An alternative structure is proposed in the present talk, relying upon a semantics of bitstrings and leading to a systematic gathering for any length n of the bitstrings [2, 3]: the structure is a rectangle whenever n is odd; it is a square whenever n is even, although the latter are not structured like the Aristotelian square.



References

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