

**Title:** Joining means

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Modifying and generalizing some ideas from [1], we come to the notion of a marginal joint of two arbitrary means given on adjacent intervals. The construction of the joints makes use of the notion of a set-valued joiner. Also, the converse is proved: any mean can be obtained as a marginal joint of its two restrictions, produced with the use of a so-called reconstructing joiner having the smallest values in a sense. We conclude the paper by answering the question when the reconstructing joiner of the mean is a single-valued function.

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