Title: The maximal subsemigroups of semigroups of transformations preserving or reversing the orientation on a finite chain

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The study of the semigroups $\mathcal{OP}_n$, of all orientation-preserving transformations on an n-element chain, and $\mathcal{OR}_n$, of all orientation-preserving or orientation-reversing transformations on an n-element chain, has began in [17] and [5]. In order to bring more insight into the subsemigroup structure of $\mathcal{OP}_n$ and $\mathcal{OR}_n$, we characterize their maximal subsemigroups.

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