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*Preservation of properties of a map by forcing*

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**Abstract:** Let  $f: X \rightarrow Y$  be a continuous map such as an open map, a closed map or a quotient map. We study under what circumstances  $f$  remains an open, closed or quotient map in forcing extensions.

**Keywords:** forcing; open map; closed map; quotient map

**AMS Subject Classification:** 54A35, 54C10

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