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James Cummings* (jcumming@andrew.cmu.edu) and **Arthur W. Apter**. *Easton's theorem with preservation of strong and supercompact cardinals.*

We show that if F is a locally definable Easton function and GCH holds then there is a generic extension in which:

- Cardinals and cofinalities are preserved.
- $2^\kappa = F(\kappa)$ for every regular κ .
- All strong cardinals and all supercompact cardinals are preserved.

This extends earlier results of Menas and of Friedman and Honzik. (Received August 19, 2018)