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**William Byrd\*** (billbyrd320@gmail.com) and **Jose E. Castillo.** *Mimetic Curvilinear Coastal Ocean Modeling.*

Mimetic discretization methods have been applied successfully to different areas of geoscience. We present a curvilinear coastal model constructed using MOLE, Mimetic Operators Library Enhanced, as a building block and PETSc for parallelization. Examples for validation are presented.

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