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Guy David, Max Engelstein and Mariana Smit Vega Garcia*,
Mariana.SmitVegaGarcia@wwu.edu, and **Tatiana Toro**. *Regularity of almost minimizers with free boundary.*

We study almost minimizer for functionals that yield a free boundary, as in the work of Alt-Caffarelli and Alt-Caffarelli-Friedman. The almost minimizing property can be understood as the defining characteristic of a minimizer in a problem that explicitly takes noise into account. In this talk, we discuss the regularity of almost minimizers to energy functionals with variable coefficients. (Received July 31, 2021)