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**Justin Corvino\*** (corvinoj@lafayette.edu). *Deformation of the Einstein constraints with the dominant energy condition.*

We discuss the extension of localized deformation results for the Einstein constraints map in the setting of the dominant energy condition, with applications to gluing and density theorems. Particular care must be taken to achieve controlled localized perturbation where the dominant energy condition may not be strict. This work is joint with Lan-Hsuan Huang. (Received January 30, 2016)