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**Brigitte Servatius** ([bservat@wpi.edu](mailto:bservat@wpi.edu)), Math Sci, WPI, Worcester, MA 01609. *On the stressability of multidimensional frameworks.*

We prove an equilibrium stressability criterium for trivalent multidimensional tensegrities. The criterium appears in different languages: (1) in terms of stress monodromies, (2) in terms of surgeries, (3) in terms of exact discrete 1-forms, and (4) in Cayley algebra terms. This is joint work with Oleg Karpenkov, Christian Mueller, Gaiane Panina, Herman Servatius, and Dirk Siersma. (Received January 23, 2020)