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Joshua P. Bowman* (joshua.bowman@pepperdine.edu), Natural Science Division, Pepperdine University, 24255 Pacific Coast Highway, Malibu, CA 90263-4321. *Chebyshev-like maps in several and infinite variables*. Preliminary report.

Analogues of Chebyshev polynomials have been defined as maps $\mathbb{C}^n \rightarrow \mathbb{C}^n$ by several authors. Like their single-variable cousins, these maps have interesting algebraic, analytic, and dynamical properties. In this talk we will study recursive formulas for these maps, as well as infinite-dimensional versions. (Received September 20, 2016)