1035-47-578   **Dan D. Pascali*** (`dp39@nyu.edu`), Courant Institute, New York University, 251 Mercer Street, New York, NY 10012-1185. *On nonstandard nonlinear spectral theory.*

We compare three nonstandard spectra for semilinear operators: the asymptotic Furi-Martelli-Vignoli spectrum, the global Feng spectrum, and the local Vath phantom. These spectra coincide for certain classes of mappings and their applications in proving some kind of nonlinear Fredholm alternatives are indicated. (Received September 11, 2007)

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