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**Elizabeth J Makrides\*** ([elizabeth\\_makrides@brown.edu](mailto:elizabeth_makrides@brown.edu)), Division of Applied Mathematics, Brown University, 182 George St, Box F, Providence, RI 02912, and **Bjorn Sandstede** ([bjorn\\_sandstede@brown.edu](mailto:bjorn_sandstede@brown.edu)), Division of Applied Mathematics, Brown University, 182 George St, Box F, Providence, RI 02912. *Stability in Spatially Localized Patterns*.

Motivated by numerical stability results on spatially localized patterns in spatially extended systems, we show how the stability of patterns that are formed of nonlocalized fronts can be understood from the spectra of the underlying fronts. We use extended Evans functions to understand the spectral properties of these patterns on the original unbounded domain and on large but bounded domains, and we compare our results to previous findings on resonance poles and edge bifurcations. (Received January 16, 2015)