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Andrew J Dudzik* (adudzik@math.berkeley.edu). *Spectral Spaces*. Preliminary report.

A well-known combinatorial duality between finite lattices and posets generalizes to a correspondence between lattices and spectral spaces, with applications in many areas of geometry. I will discuss this perspective in the context of manifolds, varieties, and rigid analytic spaces. (Received August 31, 2014)