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Jason R Juett* (jason.juett@gmail.com), 4513 Lyons Drive, Marion, IA 52302. *Spectral Partially Ordered Sets.*

We characterize the partially ordered sets that are isomorphic to the prime spectra of rings satisfying the ascending (resp., descending) chain condition on radical ideals. We also discuss partial order topics related to G-ideals, and show that a dual of a tree is isomorphic to the Goldman spectrum of a ring if and only if every nonempty chain has an upper bound. Lastly, we give some new methods for constructing (gold)spectral partially ordered sets. (Received July 24, 2014)