

- ▶ HONGYU ZHU, *Degree spectra of structures of low Scott rank*.
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The Scott rank of a countable structure \mathcal{M} indicates how complex an infinitary formula needs to be in order to characterize \mathcal{M} up to isomorphism. Another measure of complexity for \mathcal{M} is the degree spectrum, which captures all Turing degrees computing a copy of \mathcal{M} . In an attempt to connect the two notions, we show that there are certain degree spectra which cannot arise from structures with Scott rank below a given ordinal. This is joint work with Uri Andrews, David Gonzalez, and Joseph S. Miller.