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The tree property up to $\aleph_{\omega+1}$

The tree property is a combinatorial principle that resembles large cardinal reflection properties, but may hold at successor cardinals. We present some recent work showing, from ω supercompact cardinals, that the tree property can be forced to hold at all successor cardinals in the interval $[\aleph_2, \aleph_{\omega+1}]$. This is a further step in a general project of obtaining the tree property on increasingly large intervals of successor cardinals, and builds on work of Cummings–Foreman below $\aleph_\omega$, and work of Magidor–Shelah and Sinapova at $\aleph_{\omega+1}$.