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OCA and towers in $\mathcal{P}(\mathbb{N})/fin$

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Abstract: We shall show that Open Coloring Axiom has different influence on the algebra $\mathcal{P}(\mathbb{N})/fin$ than on $\mathbb{N}^\mathbb{N}/fin$. The tool used to accomplish this is forcing with a Suslin tree.

Keywords: Open Coloring Axiom, dense sets of reals, towers, forcing, Suslin trees

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