AUTOSTABILITY AND DECIDABLE STRUCTURES

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A structure $\mathcal{A}$ is autostable relative to strong constructivizations if $\mathcal{A}$ has a decidable copy $\mathcal{B}$ and, for every decidable copy $\mathcal{C}$ of $\mathcal{A}$, there is a computable isomorphism f from $\mathcal{B}$ onto $\mathcal{C}$. In this talk we discuss some recent results on autostability relative to strong constructivizations. The primary focus of the talk is the complexity of the index sets for different classes of structures.

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