

Splitting, bounding and almost disjointness number

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We prove that, for arbitrary regular uncountable cardinals $\theta < \mu < \lambda$ with $\theta^{<\theta} = \theta$ and $\lambda^{<\lambda} = \lambda$, there is a ccc poset that forces the splitting number \mathfrak{s} equal to θ , the (un)bounding number \mathfrak{b} equal to μ and the almost disjointness number \mathfrak{a} equal to λ , along with other arbitrary values for cardinals in Cichoń's diagram.

This is a joint work with V. Fischer.