# David Chodounský

Charles University, Prague, Czech republic
chodounsky@math.cas.cz


# Big Ramsey degrees and forbidden cycles

Joint work with Martin Balko, Jan Hubička, Matěj Konečný, Jaroslav Nešetřil, and Lluís Vena

Using the Carlson–Simpson theorem, it is possible to derive a new general condition for a structure in a finite binary relational language to have finite big Ramsey degrees.

In particular, I will focus on the folowing consequnce. Let $D = \{1, 2, 3, \dots, d\}$ be a set of distances.

**Theorem.** *Universal countable D-metric spaces have finite big Ramsey degrees.*