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Canonical partitions of countable k -regular random hypergraphs

The computation of the Ramsey degrees of elements of a Fraïssé class has a "global" analogue. The latter involves constructing the so-called *canonical partitions* of the corresponding homogeneous structure. The relatively short list of structures whose canonical partitions were found thus far includes countable homogeneous binary relational structures. We establish canonical partitions of countable k -regular random hypergraphs. This is joint work with Norbert Sauer and Claude Laflamme.