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*On the typical structure of triangle-free oriented graphs and digraphs*

There has been a huge body of work on the typical structure of  $H$ -free graphs, starting with a result of Erdos, Kleitman and Rothschild, who settled the case when  $H$  is a triangle. However, much less is known for oriented or directed graphs.

Motivated by his work on the classification of countable homogeneous oriented graphs, Cherlin asked about the typical structure of oriented graphs without (i) transitive triangles or (ii) oriented triangles. We give an answer to these questions (which is not quite the predicted one). Numerous open problems remain.

Joint work with Daniela Kühn, Timothy Townsend and Yi Zhao