
MARC NOY, Universitat Politècnica de Catalunya
Counting labelled 4-regular planar graphs

We present the first combinatorial scheme for counting labelled 4-regular planar graphs through a complete recursive decomposition. As a byproduct, we also enumerate labelled 3-connected 4-regular planar graphs, and simple 4-regular rooted maps. (Joint work with Clément Requilé and Juanjo Rué.)