

On the Gross-Mansour-Tucker conjecture.

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In this presentation I will explain a proof of the Gross, Mansour, Tucker conjecture claiming that any ribbon graph, distinct from explicit family of special exceptions, has a partial dual graph of different genus. This is a joint work with Fabien Vignes-Tourneret based of the preprint [arXiv:2101.09319v1](https://arxiv.org/abs/2101.09319v1) [math.CO].