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*Combinatorial models for toric arrangements*

The study of the topology of arrangements in the complex torus can be seen as a step beyond the nowadays classical theory of hyperplane arrangements and has been in the focus of a significant amount of recent research. After giving a precise definition, I will illustrate the state of the art on this subject with a special focus on the advances where the use of combinatorial cellular models has proved to be an essential tool. As time will permit, I will also outline some open questions.