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Bosonization of Majorana modes in arbitrary geometries

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The bosonization procedure for Majorana modes based on Clifford algebra-valued degrees of freedom, valid for arbitrary lattices, will be summarized. In the case of honeycomb geometry the Kitaev model emerges. The role of boundary effects and edge states will be discussed.

Primary authors: BOCHNIAK, Arkadiusz (Jagiellonian University); WOSIEK, Jacek (Jagiellonian University); RUBA, Błażej (Jagiellonan University)

Presenter: BOCHNIAK, Arkadiusz (Jagiellonian University)

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