Majorana Representations of Finite Groups

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Introduced by A.A. Ivanov in [1] Majorana representations provide an axiomatic framework for studying the embeddings of certain finite groups into the Monster. I will give a brief introduction to this theory and give an account of the recent results on Majorana representations of the alternating groups and of the methods involved.

References

 Alexander A. Ivanov, The Monster group and Majorana involutions, Cambridge Tracts in Mathematics, 176, Cambridge Univ. Press, Cambridge, 2009.