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a classic subject the theory of simple lie groups and simple lie algebras this theory ties together some of the most beautiful symmetrical structures in mathematics platonic solids and their higher dimensional cousins finite groups generated by re

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to Sep 21 2022 the root systems appearing in the theory of lie superalgebras and nichols algebras admit a large symmetry extending properly the one coming from the weyl group based on this observation we set up

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Aug 21 2022 lecture notes topics in lie theory tensor categories mathematics mit opencourseware the course notes were prepared jointly by prof pavel etingof shlomo gelaki dmitri nikshych and victor ostrik the book tensor categories based on these 2009 notes was published by the american mathematical society in 2015

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