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- Cieslinski J L, Ferapontov E V, C J J, Nimmo and Kitaev A V: Special issue on nonlinearity and geometry: connections with integrability [470201](#)
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- Dorey P, Dunning C, Gliozzi F and Tateo R: On the ODE/IM correspondence for minimal models [132001](#)
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- Zubarev A L: A note on the quantum-tail effect on fusion reaction rate [312004](#)
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