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Chiral Primordial GWs due to the production of non-Abelian gauge field

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It is known that chiral primordial gravitational waves (GWs) are produced due to the strong interaction of gauge fields to axions during inflation. Interestingly, in the case of non-Abelian gauge fields, they can produce chiral GWs at linear level. In this talk, we explain the mechanism of generating such chiral primordial GWs and discuss their detectability in future observations.

Summary

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