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Void magnetic field and its primordial origin in inflation

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In 2010, it was first reported that weak and large scale magnetic fields (MFs) were observed in void regions. These void MFs may share their origin with galactic/galaxy cluster MFs in primordial MFs. Thus a theoretical research on the generation of primordial MFs is now strongly motivated.
I seek the possibility that primordial MFs is produced during inflation and find
not only several interesting implications for inflationary magnetogenesis model building but also further observational connections.

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