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**Nonperturbative QFT:
Methods and Applications**
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Time Evolution of the Large-Scale Tail of Primordial Magnetic Fields

Wednesday 25 September 2013 15:00 (20 minutes)

We present our results from semi-analytic computations on the time evolution of the energy content for primordial magnetic fields and the accompanying turbulent flows in the general framework of an expanding Universe with homogeneous and isotropic turbulence. In particular we include the backreaction of the turbulent medium on the magnetic field and point out the effect of helicity compared to the non-helical case.

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