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### **Axion warm inflation and reheating**

After introducing a simple homogeneous and isotropic inflationary model, we add interactions via an axion-like decay to Yang-Mills gauge bosons. As these rapidly thermalize, the friction felt by the inflaton field is increased by non-Abelian “strong sphalerons”. The resulting self-amplifying process can efficiently heat up the system. Such a reheating period may produce gravitational waves via hydrodynamic fluctuations and particle collisions.

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