

## The role of symmetry in renormalisation

There are several interesting situations where the solutions to singular SPDEs exhibit a symmetry at a formal level that could in principle be broken by the renormalisation procedure required to define them. We'll discuss a relatively simple argument showing that, in many cases, the renormalisation can be chosen in such a way that the symmetry does indeed hold and we'll apply it to the stochastic quantisation of the 3D Yang-Mills theory.