

# A model structure for coloured operads in symmetric spectra

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For a fixed set of colours  $C$  we describe a coloured operad  $S^C$  in *Sets* such that the  $S^C$ -algebras are precisely the  $C$ -coloured operads in *Sets*. Using this coloured operad and applying a theorem of Elmendorff and Mandell, we construct a model structure for operads in the category of symmetric spectra (with the positive model structure) in which fibrations and weak equivalences are defined levelwise.