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## Hierarchical spin glasses

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Despite years of intense research, the physics with spin glasses with non trivial critical fluctuations remains a major theoretical puzzle. In particular it is not clear how to build up a real space RG going beyond the Migdal–Kadanoff approximation. Hierarchical models of the Dyson kind can be used to reduce the problem to its minimal terms. In this talk I will introduce hierarchical spin glass models, and discuss in detail the case of the REM where stability arguments and exact enumeration suggest a condensation transition at low temperature.