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## **Solvable matter on 2d Causal Dynamical Triangulation?**

*Wednesday 15 April 2015 15:00 (45 minutes)*

Models with matter coupled to two dimensional CDT are hard to solve analytically, somewhat contrasting with matter coupled to dynamical triangulations which can be solved by a plethora of methods. Recently Atkin and Zohren introduced a restricted dimer model which can be solved. I'll discuss some of its bizarre characteristics and introduce a generalisation that is also solvable and shows these to be somehow non-generic. Finally I'll discuss whether these results are really representative in the continuum limit of a field theory coupled to 2d gravity.

**Presenter:** Prof. WHEATER, John (University of Oxford)