

Conformal field theory 3 ways: integrable, probabilistic, and  
supersymmetric



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## AGT correspondence: a 2d CFT valued in 4d QFTs - Part 1

*Monday 22 January 2024 16:30 (1 hour)*

Starting from a 6d point of view, we will develop the basic dictionary associating 4d  $N=2$  gauge theories to punctured Riemann surfaces, and explain some extensions thereof. As an application, we will explore a rich set of operators (loops, surfaces, walls) that can be added to the story, and how their use led to a conjecture for some braiding kernels in Toda CFT.

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