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## **【321】 Large charge, semiclassicals and superfluids**

*Wednesday, September 1, 2021 2:00 PM (30 minutes)*

In quantum field theory, states with large quantum numbers under the conserved charges of the theory are generically amenable to a semiclassical description. This observation underlies some recent progress in the study of the spectrum of operators with large internal charge in strongly coupled conformal field theories. I will review these results and show how similar ideas can be used to overcome the breakdown of perturbation theory for multi-legged amplitudes in the epsilon expansion.

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