

## Solutions in Extended Field Theories

*Monday 10 August 2015 14:00 (30 minutes)*

I will present solutions to Double Field Theory and Exceptional Field Theory and show that the string is a null wave in DFT and the NS5-brane is a monopole. Extending these solutions to EFT where S-duality is part of the symmetry group gives a single self-dual solution combining both the wave and a monopole. Through taking different choices of the section condition, this solution yields all the 1/2 BPS solutions in M-theory.

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