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## A New Approach for Gauge Unification and Proton Decay

*Wednesday 28 November 2018 16:30 (25 minutes)*

We derive a useful formula for general SUSY and GUT mass spectra to satisfy the gauge coupling unification. This formula enables us to study concrete GUT models from the point of view of low energy SUSY spectrum, i.e. SUSY breaking scenarios. We apply our machinery to Minimal SU(5) and Orbifold SU(5) models and study the impact of low energy SUSY spectrum and SUSY breaking scenarios on the proton decay measurements.

### Content of the contribution

Theory

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