

Title: **Modelling of 17 Bus Distribution System using the OpenIPSL**

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Abstract: The 17 Bus Distribution System shall be used for voltage harmonics on a power system Can be minimized by using active filters to inject distortion-cancelling currents on non-linear loads. In this proposal we observe the voltage profiles of 17 Bus Distribution System with linear loads. The 17 Bus Distribution System was designed by using OpenModelica and OpenIPSL.