**EVALUATION OF P-V CURVE FOR THE DETERMINATION OF THE POINT OF POWER SYSTEM VOLTAGE COLLAPSE**

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**ABSTRACT**

This paper presents evaluation of P-V curve for the determination of the point of power system voltage collapse.Continuation power flow is used to obtain P-V curve of an interconnected electric power system. Continuation power flow starting with initial operating point and increasing load to the maximum loading point to obtain P-V data is implemented .Critical Voltages are found for the weakest buses from the results. A standard power flow simulation tool Power World Simulator is used to run continuation power flow.

**Keywords: Voltage Collapse, Continuation Power flow, Critical Voltage, Maximum Loading Point, P-V Curve.**