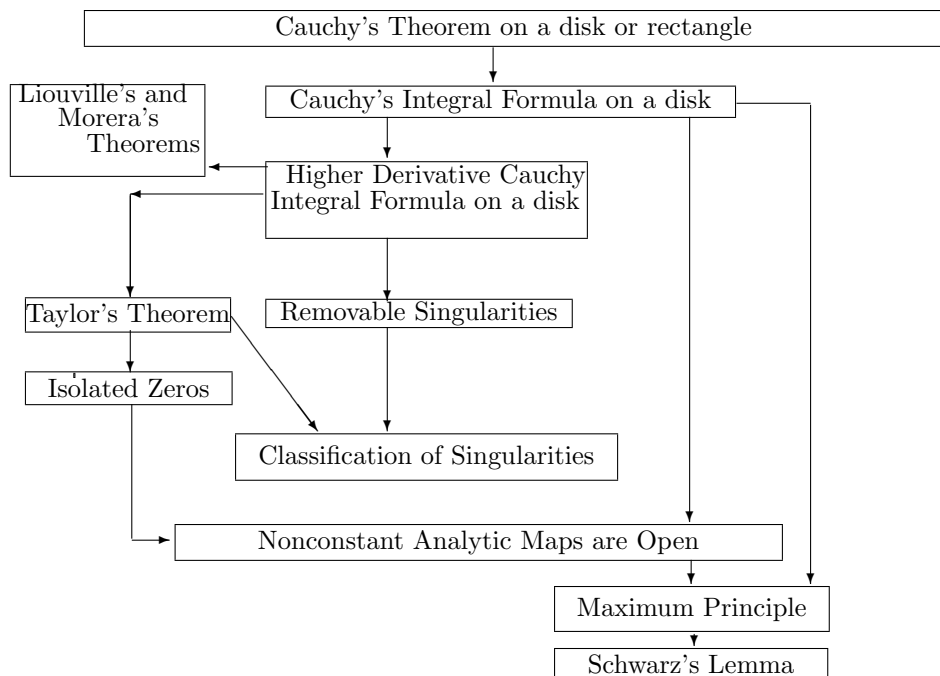


LEITFADEN FOR CAUCHY'S THEOREM AND CONSEQUENCES



This diagram summarizes the logical implications among the consequences of Cauchy's Theorem in a disk. There are several alternate paths between these results. For example in the Fall 2017 course we will show that the Cauchy integral formula on a disk directly implies the local Taylor expansion and the higher derivative Cauchy Integral Formula on a disk. The Cauchy integral formula also directly implies the Maximum Principle which implies the Open Mapping Theorem.