

Some Basic Ideas of Potential Theory

I'll continue discussing some of the techniques and theorems of Potential Theory. Polar sets are the "exceptional" or "small" sets of the subject, so we'll indicate some places where they arise, such as in removable singularity theorems and in characterizing irregular boundary points for the Dirichlet problem. If we have time, we'll discuss a connection of the subject with probability theory by means of Brownian motion.