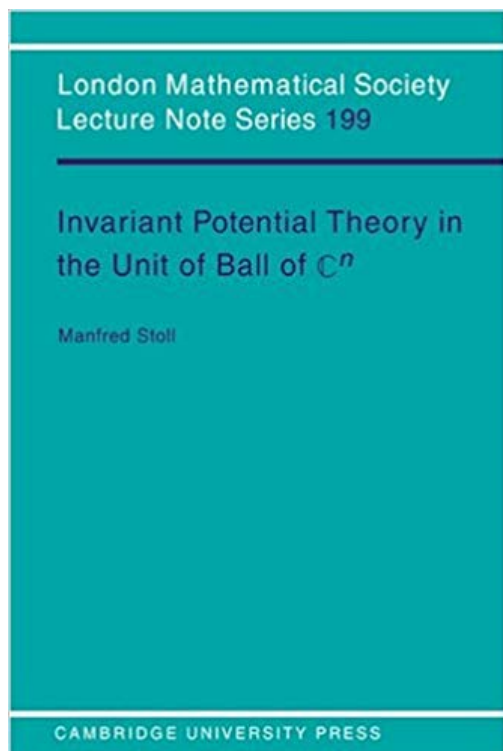


Invariant Potential Theory in the Unit Ball of \mathbb{C}^n (London Mathematical Society Lecture Note Series) *by* Manfred Stoll



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This monograph covers Poisson-Szegö integrals on the ball, the Green's function for \hat{D}^*D and the Riesz decomposition theorem for invariant subharmonic functions. The extension to the ball of the classical Fatou theorem on non-tangible limits of Poisson integrals, and Littlewood's theorem on the existence of radial limits of subharmonic functions are covered in detail. It also contains recent results on admissible and tangential boundary limits of Green potentials, and L_p inequalities for the invariant gradient of Greens potentials. Applications of some of the results to H_p spaces, and weighted Bergman and Dirichlet spaces of invariant harmonic functions are included.



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