

Approaches for Finding Asymptotic Null Distributions

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1. *IPM in unit ball of RKHS*: Test statistic can be represented as a U - or V -statistic. Standard asymptotics on U -statistics can then be applied.
2. *Empirical Process Theory*: Donsker's Theorem.
3. *Limit theorems for quadratic forms*: If the solution to the variational problem exists and can be written in closed form as a quadratic, then we can apply limit theorems for a quadratic form.