PUBLIC SELECTION BASED ON QUALIFICATIONS AND INTERVIEW FOR THE AWARDING OF NO. 1 EXPERIENCED GRANT LASTING 12 MONTHS FOR CONDUCTING RESEARCH PURSUANT TO ART. 22 OF LAW NO. 240/2010 AT THE DEPARTMENT OF MANAGEMENT, INFORMATION AND PRODUCTION ENGINEERING (A.R.F. 01/A3 - MATHEMATICAL ANALYSIS, PROBABILITY AND STATISTICS - A.D. MAT/05 - MATHEMATICAL ANALYSIS) TYPE B

announced with decree of the Chancellor Rep. no. 489/2019 of 25.07.2019 and posted on the official registry of the University on 26.07.2019

RESEARCH PROJECT

Uniform distribution of points on manifolds

Research structure: Department of Management, information and production engineering
Duration of the grant: 12 months
Scientific Area: 01 – Mathematics and informatics
Academic recruitment field: 01/A3 - Mathematical analysis, probability and statistics
Academic discipline: MAT/05 - Mathematical analysis
Scientific Director: Prof. Luca Brandolini

Proof, using harmonic analysis techniques, of the existence of optimal t-design on general Riemannian manifold and an analogue of Cassels' Lemma for exponential sum.