# RUTGERS
## UNIVERSITY | NEWARK

# Mathematics Colloquium

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# Navigating PU(2), Golden Gates and Strong Approximation

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## Peter Sarnak (Princeton University / IAS)

## Abstract

We discuss recent developments concerning "Golden Gates" which are number theoretic generators of PU(2) ,their application to the construction of optimally efficient universal quantum gates ,and some closely connected questions of complexity in strong approximation.

### Wednesday, 18 January 2017, 4pm

### Smith Hall 204

Tea and refreshments will be served at 3:45pm.