Asymptotic Analysis of Eigenvalues Problems On Long Cylinders

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The asymptotic behavior of the eigenvalues of an elliptic operator, defined on cylindrical domains whose length tends to infinity, will be discussed. We will see that the limit problem can be identified with an appropriate problem defined on a lower dimensional set, namely the cross section of the cylinder. The talk will be kept at an elementary level.

Place: Conference Room
Mathematics Department
College of Staten Island, Building 1S

Time: 2:00pm – 2:25pm