

MATEMATISKA INSTITUTIONEN
STOCKHOLMS UNIVERSITET
Avd. Matematik

SJÄLVSTÄNDIGT ARBETE I MATEMATIK

Fredagen den 26 april kl. 10.00–11.00 presenterar Amar Rauf sitt arbete “On reflectionless isoscattering matrices”.

Handledare: Pavel Kurasov

Plats: Sal 32, hus 5, Kräftriket

Sammanfattning: Hermitian Reflectionless Isoscattering matrices (RI-matrices) are studied. These are unitary matrices with zeros along the diagonal and whose nondiagonal entries all have the same absolute value. It is proven that such matrices are absent if the dimension is odd. A complete description of all such matrices in dimensions 2, 4 and 6 is given.

Alla intresserade är välkomna!