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Three Remarks on Similarity

Abstract

We consider three questions concerning similarity of matrices. Which matrices are similar to partial isometries? If A and B are normal, is AB similar to BA ? Which matrices are unitarily similar to their transposes (and what does this have to do with Lie algebras)? Along the way, we hope to highlight some interesting matrix theory results that deserve to be more widely known.

Talk time: 07/18/2016 9:00AM— 07/18/2016 9:30AM

Talk location: Brown Hall 100