



Online ISU Algebra Seminar

Date and Time: September 8, 2022 from 1:00 pm to 1:50 pm

Speaker: Sunil Chebolu, Ph.D. (ISU)

Title: A nice application of a cute problem with invertible matrices

Abstract: It is well known that not all square matrices over a field are invertible. But it is not as well-known that every square matrix ($n \times n$, $n > 1$) over a field is a sum of two invertible matrices! I came across this result for the first time this summer and was very surprised. Why is this true? And why do I care? Please come to my talk to find answers to these questions. A good part of this talk should be accessible to undergraduate mathematics majors.

About Speaker: Prof. Sunil Chebolu was trained in mathematics and statistics in the Indian Statistical Institute in India. After earning his doctorate in mathematics at the University of Washington, he held a 3-year postdoctoral position at the University of Western Ontario Canada. Dr. Chebolu joined ISU in 2008. He has broad range of interests in mathematics and related areas including astronomy, music, games, and computing.

Zoom Room Information

Join Zoom Meeting

<https://illinoisstate.zoom.us/j/94122698654>

Meeting ID: 941 2269 8654

Passcode: ISU