

MATEMATISKA INSTITUTIONEN
STOCKHOLMS UNIVERSITET
Avd. Matematik

SJÄLVSTÄNDIGT ARBETE I MATEMATIK

Måndagen den 4 juni kl. 10–11 presenterar Bashar Saleh sitt arbete “Elements of Homological Algebra and Hochschild Complexes” (15 högskolepoäng, grundnivå).

Handledare: Sergei Merkulov

Plats: Sal 21, hus 5, Kräftriket

Abstract:

This essay is aimed to be an introduction to homological algebra and Hochschild complexes for those who are familiar with only basic abstract algebra. The first part deals with the fundamentals in homological algebra, the second part introduces Hochschild complexes and Hochschild (co)homology, for associative algebras over rings, and ends up with computing (by two methods) the Hochschild (co)homology of $R[x] = K[x]/x^2$. Alla intresserade är välkomna!