2008:13 Självständigt arbete i matematik Matematiska institutionen Stockholms universitet

Kharema Ebshesh: Linear operators in infinite dimensional vector spaces

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Sammanfattning

The theory of linear operators is an extensive area. This thesis is about the linear operators in infinite dimensional vector spaces. We study elementary properties of Banach spaces, bounded operators, compact operators and spectrum of compact operators. We give an application to a two-point boundary value problem for a linear ordinary differential equation in the end.