

Notational remarks.

$\mathbb{K} = \mathbb{R}, \mathbb{C}$ is the field of real or complex numbers.

X always denotes a topological space.

$C(X)$ stands for the algebra of all continuous \mathbb{K} -valued functions on X .

$C_b(X)$ denotes all continuous and bounded \mathbb{K} -valued functions on X .

$\text{conv } M$ is the convex hull of M .

$\overline{\text{conv } M}$ abbreviates the closed convex hull of M .

$\text{extr } M$ stands for the extreme points of M .

Compact and locally compact spaces are always understood to be Hausdorff, all $C_b(X)$ -modules are unital and all topological vector spaces appearing in these notes are supposed to be locally convex.