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Oulu, FIN 90014, Finland, *On influence of regu-
larity and weakly regularity of normed algebra
to its Gelfand representation.*

ABSTRACT. We shall consider regularity and
weakly regularity of normed and A -normed algebras
and after that the influence of these concepts to the
Gelfand representation of these algebras is studied. In
this representation we shall use some weight functions
on the Gelfand space to get a suitable topology for the
Gelfand transform algebra. We shall also give an ex-
ample of normed and A -normed algebra which is not

weakly regular.