

# Abstract

In this thesis we introduce and study the concept of a TAF-ring: a ring whose ideals are finite-products of 2-absorbing ideals. Following Badawi [7], an ideal  $I$  of a commutative ring  $R$  is a *2-absorbing ideal* if whenever  $a, b, c \in R$  and  $abc \in I$ , then  $ab \in I$  or  $ac \in I$  or  $bc \in I$ .