

1135-13-2790      **Haydee Lindo\*** (08hml@williams.edu). *Trace ideals and their applications in commutative algebra.*

Given a commutative ring  $R$ , the trace ideal of an  $R$ -module  $M$  is the ideal generated by the homomorphic images of  $M$  in  $R$ . I will speak on some recent developments in the theory of trace ideals and some applications of trace ideals in understanding endomorphism rings and rigid modules over commutative rings. (Received September 26, 2017)