

# Commutative Ring Theory Days 2010

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## DOMAINS HAVING A UNIQUE KRONECKER FUNCTION RING

ALICE FABBRI

We study the class of integrally closed domains having a unique Kronecker function ring, or equivalently, domains in which the  $b$ -operation is the only e.a.b star operation of finite type, as an approach to domains having a quite simple set of valuation overrings. We give characterizations by means of valuation overrings and integral closure of finitely generated ideals and provide new examples of such domains.

UNIVERSITÀ DEGLI STUDI "ROMA TRE"

DIPARTIMENTO DI MATEMATICA, UNIVERSITÀ DEGLI STUDI ROMA TRE, LARGO SAN LEONARDO MURIALDO, 1, 00146, ROMA, ITALY

*E-mail address:* [afabbri@mat.uniroma3.it](mailto:afabbri@mat.uniroma3.it)