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## Decisive dimension and other related torsion theoretic dimensions (Article) ([Open Access](#))

[Pérez, J.C.<sup>a</sup>](#) , [Raggi, F.<sup>b</sup>](#) , [Montes, J.R.<sup>b</sup>](#)

<sup>a</sup>Departamento de Matemáticas, Instituto Tecnológico y de Estudios Superiores de Monterrey, Calle del Puente 222, Tlalpan, 14380 México, D.F., Mexico

<sup>b</sup>Instituto de Matemáticas, UNAM, Area de la Investigación Científica, Circuito Exterior, C.U, 04510 México, D.F., Mexico

### Abstract

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The paper is concerned with the study of the decisive dimension defined on the category of left modules over a ring  $R$ . We compare the decisive dimension with the Gabriel dimension and other dimensions recently introduced. We give module theoretic as well as lattice theoretic characterizations of rings with decisive dimension. As an application we obtain characterizations of some classes of rings. © 2006 Elsevier Ltd. All rights reserved.

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