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Mercedes Siles Molina* (msilesm@uma.es), Dpto. de Algebra, Geometria y Topologia, Campus de Teatinos, Universidad de Malaga, 29071 Malaga, Malaga, Spain. *The role of the socle in the classification of Leavitt path algebras.*

The aim of this talk is to show a picture of how much is known about the classification of Leavitt path algebras, centering our attention in the socle. The second part of the talk will be devoted to the description of the socle series of a Leavitt path algebra. (Received September 20, 2009)