

12:00-13:00

Aula Jacques Louis Lions

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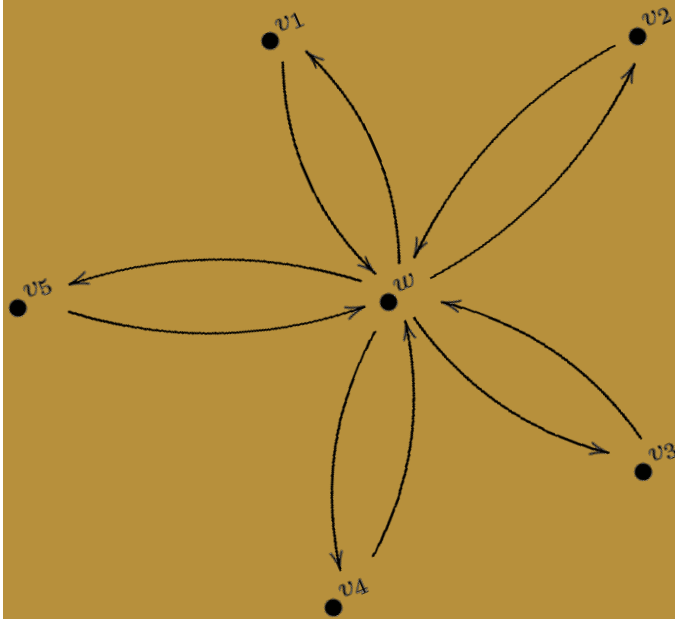
24 de junio de 2014

CONFERENCIA

Gene Abrams

University of Colorado

Primitive graph algebras



Let E be an arbitrary directed graph, $L_K(E)$ the Leavitt path algebra of E and $C^*(E)$ the graph C^* -algebra of E . We give necessary and sufficient conditions on E so that $L_K(E)$ is primitive. (This is joint work with J. Bell and K.M. Rangaswamy. We then show that these same conditions are precisely the necessary and sufficient conditions on E so that $C^*(E)$ is primitive. (This is joint work with Mark Tomforde.). This situation gives yet another example of algebraic/analytic properties of the graph algebras $L_K(E)$ and $C^*(E)$ for which the graph conditions equivalent to said property are identical, but for which the proof / techniques used are significantly different.

