

Семинар "Алгебраические группы"

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"Irreducible representations of Leavitt algebras"

Abstract: I will talk about the paper "Irreducible representations of Leavitt algebras", a joint work with Roozbeh Hazrat and Alexander Shchegolev. In the paper we investigate representations of weighted Leavitt path algebras $L(E)$ defined by so-called representation graphs F . We characterise the representation graphs F that yield irreducible representations of $L(E)$. Specialising to weighted graphs E with one vertex and m loops of weight n , we obtain irreducible representations for the celebrated Leavitt algebras $L(m,n)$.