Formulas for Kronecker invariants using a representation theoretical approach

Csaba Szántó

"Babeș-Bolyai" University, Cluj-Napoca
[szanto.cs@gmail.com]

Using a representation theoretical modular approach we present some explicit formulas for the Kronecker invariants of a matrix pencil and we also give a short proof for the Demmel-Edelman codimension formula of a pencil.