

CIMPA-ICTP MATHEMATICS COURSE:

Matrix pencils and linear relations

TIMETABLE AND VENUE:

Tuesday 3 November
Wednesday 4 November
Thursday 5 November
Friday 6 November

14:00 - 16:00

Luigi Stasi Seminar Room

Francisco MARTÍNEZ PERÍA

(Instituto Argentino de Matematica, Alberto P Calderon, CONICET)

ABSTRACT:

The course aims to present the relationship between the Kronecker invariants of a given matrix pencil $P(s) = SE - A$ and the spectral quantities associated with a pair of linear relations, its range and kernel representations. This relationship is useful for obtaining bounds for the Kronecker invariants of a perturbed matrix pencil $P'(s) = sE' - A'$ in terms of the Kronecker invariants of $P(s)$, translating (finite-rank) perturbation problems among matrix pencils into perturbation problems among linear relations

ZOOM LINK:

<https://zoom.us/j/91471488824?pwd=oZR4mTWbSM0NgmWRbzF22RYdfgRnN.1>

Meeting ID: 914 7148 8824

Passcode: CIMPA_ICTP

INFO: <https://indico.ictp.it/event/11543/>



The Abdus Salam
International Centre
for Theoretical Physics

