

Determinacy of the Hamburger moment problem of a determinate Stieltjes moment problem in the matrix case

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A moment problem is said to be determinate if it has a unique solution. Otherwise the moment problem is called indeterminate.

We generalize to the matrix case the classical theorem of Hamburger which enables to determinate whether a determinate Stieltjes moment problem is determinate or indeterminate Hamburger moment problem with the same moments.

The talk is based on a joint work with Yu. Dyukarev.