

References for Misha's lectures

1. Basic theorems

a. Toeplitz determinants

SZEGO, G., On certain Hermitian forms associated with the Fourier series of a positive function

KAC, M., Toeplitz matrices, translation kernels, and a related problem in probability theory

b. Fredholm determinants

HIRSCHMAN, I. I., On a formula of Kac and Achiezer I and II

2. More complicated cases

a. Toeplitz determinants with Fisher-Hartwig singularities

KRASOVSKY, I., Aspects of Toeplitz determinants

DEIFT, P., ITS, A., KRASOVSKY, I., Toeplitz matrices and Toeplitz determinants under the impetus of the Ising model. Some history and some recent results

DEIFT, P., ITS, A., KRASOVSKY, I., Asymptotics of Toeplitz, Hankel, and Toeplitz+Hankel determinants with Fisher-Hartwig singularities

b. Explicit results for Fredholm determinants of Sine-, Airy- and similar kernels

TRACY, C.A., WIDOM, H., Fredholm determinants, differential equations and matrix models.

WIDOM, H. Asymptotics for the Fredholm Determinant of the Sine Kernel on a Union of Intervals

c. Fredholm determinants with singular kernels

ALBEVERIO, S., MAKAROV, K., Kac-Achiezer formula for rational symbols

BASOR, E., WIDOM, H., Toeplitz and Wiener-Hopf Determinants with Piecewise Continuous Symbols

BASOR, E., WIDOM, H., Wiener-Hopf determinants with Fisher-Hartwig symbols