

DETERMINANTAL PROCESSES ASSOCIATED WITH NON-SYMMETRIC KERNELS

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Determinantal (point) processes arise in many areas of mathematics and physics. They are (usually) parametrized by symmetric operators on an L^2 -space over a state space on which particles live. Recently, determinantal processes associated with non-symmetric kernels have been studied, for example, in connection with time dependent processes such as Karlin–McGreger’s non-intersection diffusion processes. In this talk, we discuss determinantal processes associated with non-symmetric kernels and show some examples of such processes.