

## Conditional measures of determinantal point processes

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For a class of one-dimensional determinantal point processes including those induced by orthogonal projections with integrable kernels satisfying a growth condition, it is proved that their conditional measures, with respect to the configuration in the complement of a compact interval, are orthogonal polynomial ensembles with explicitly found weights. Examples include the sine-process and the process with the Bessel kernel. The argument uses the quasi-invariance of our point processes under the group of piecewise isometries of  $\mathbb{R}$ . The talk is based on the preprint <https://arxiv.org/pdf/1605.01400.pdf>