

## Joab Winkler - biography

Joab Winkler, Department of Computer Science  
The University of Sheffield, United Kingdom  
`j.r.winkler@sheffield.ac.uk`

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Joab Winkler obtained his undergraduate degree at Imperial College of Science and Technology, London, and his PhD at University College London. He then worked in industry for a few years, before returning to university to pursue an academic career. He spent a few years at Brunel University, London, and he was awarded an EPSRC Advanced Research Fellowship, which allowed him to pursue research into algebraic and geometric problems in computer aided geometric design. In particular, he worked extensively on the numerically stable conversion between the power and Bernstein polynomial bases, and computations that involve resultant matrices.

Joab Winkler is now at The University of Sheffield where he has continued his research on computations on resultant matrices. This led to an interest in the computation of an approximate greatest common divisor of two noisy (inexact) polynomials and the computation of a structured low rank approximation of the Sylvester resultant matrix. More recently, he has used resultant matrices and greatest common divisor computations for the development of a polynomial root solver for the computation of multiple roots, and their application to the removal of blur from an image for the solution of the problem of blind image deconvolution.