



# Acta Numerica 2017

## Volume 26

### CONTENTS

- The nonlinear eigenvalue problem ..... 1  
*Stefan Güttel and Françoise Tisseur*
- Randomized algorithms in numerical linear algebra ..... 95  
*Ravindran Kannan and Santosh Vempala*
- Numerical analysis of strongly nonlinear PDEs ..... 137  
*Michael Neilan, Abner J. Salgado and Wujun Zhang*
- A survey of structure from motion ..... 305  
*Onur Özyeşil, Vladislav Voroninski, Ronen Basri and Amit Singer*
- The cardiovascular system: Mathematical modelling,  
numerical algorithms and clinical applications ..... 365  
*A. Quarteroni, A. Manzoni and C. Vergara*
- Algebraic multigrid methods ..... 591  
*Jinchao Xu and Ludmil Zikatanov*

Acta Numerica is an annual publication containing invited survey papers by leading researchers in numerical mathematics and scientific computing. The papers present overviews of recent developments in their area and provide 'state of the art' techniques and analysis.

#### Cambridge Core

For further information about this journal please  
go to the journal website at:  
[cambridge.org/anu](http://cambridge.org/anu)

**CAMBRIDGE**  
**UNIVERSITY PRESS**

ISBN 978-1-107-11258-2



9 781107 112582 >