

Articoli su Rivista

1. GARONI C. *Introduction to the theory of generalized locally Toeplitz sequences and its applications*. Submitted.
2. BARBARINO G., GARONI C. *GLT sequences and normal matrices*. Submitted.
3. BARBARINO G., EKSTRÖM S.-E., GARONI C., MEADON D., SERRA-CAPIZZANO S., VASSALOS P. *Spectral properties of flipped Toeplitz matrices and computational applications*. Submitted.
4. GARONI C., MANNI C., PELOSI F., SPELEERS H. *Study and use of spectral symbol properties for isogeometric matrices on trimmed geometries*. Submitted.
5. BARBARINO G., EKSTRÖM S.-E., GARONI C., MEADON D., SERRA-CAPIZZANO S., VASSALOS P. *From asymptotic distribution and vague convergence to uniform convergence, with numerical applications*. Submitted.
6. BARBARINO G., CLAEISSON M., EKSTRÖM S.-E., GARONI C., MEADON D., SPELEERS H. *Matrix-less spectral approximation for large structured matrices*. Submitted.
7. BIANCHI D., GARONI C. *On the asymptotic spectral distribution of increasing size matrices: test functions, spectral clustering, and asymptotic estimates of outliers*. *Linear Algebra and its Applications* 697 (2024) 615–638.
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9. GARONI C., MANNI C., PELOSI F., SPELEERS H. *Spectral analysis of matrices resulting from isogeometric immersed methods and trimmed geometries*. *Computer Methods in Applied Mechanics and Engineering* 400 (2022) 115551.
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15. GARONI C., MANNI C., SERRA-CAPIZZANO S., SPELEERS H. *NURBS in isogeometric discretization methods: a spectral analysis*. *Numerical Linear Algebra with Applications* 27 (2020) e2318.
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52. GARONI C., SERRA-CAPIZZANO S. *Generalized Locally Toeplitz Sequences: Theory and Applications (Volume I)*. Springer, Cham (2017).
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Tesi di Dottorato

53. *Structured Matrices coming from PDE Approximation Theory: Spectral Analysis, Spectral Symbol and Design of Fast Iterative Solvers*.
Tesi di Dottorato in “Matematica del Calcolo: Modelli, Strutture, Algoritmi e Applicazioni”, Università dell’Insubria (2015).
Settore Scientifico-Disciplinare: Analisi Numerica.
Supervisore: Prof. Stefano Serra-Capizzano.