

### Elenco lavori pubblicati su rivista.

1. M. Ancona, C. Fassino, V. Giannuzzi: Optimization of LR(k) Reduced Parsers. *Information Processing Letters*, 41 (1992).
2. B. Codenotti, C. Fassino: Error Analysis of Two Algorithms for the Computation of the Matrix Exponential. *Calcolo*, 1-2 (1992).
3. M. Arioli, B. Codenotti, C. Fassino: The Pade' Method for Computing the Matrix Exponential. *Linear Algebra and Its Applications*, 240, p. 111-130 (1996).
4. M. Arioli, C. Fassino: Roundoff Error Analysis of Algorithms Based on Krylov Subspace Methods. *BIT*, 36, (2), p.189-205 (1996).
5. C. Fassino, G. Manzini: Fast-Secant Algorithms for the Non-Linear Richards' Equation. *Communications in Numerical Methods in Engineering*, 14 (10), p. 921-930 (1998).
6. C. Fassino: On Updating the Least Singular Value: a Lower Bound. *Calcolo*, Volume 40, Number 4, 213-229, (December 2003).
7. C. Fassino: "On the belonging of a perturbed vector to a subspace from a numerical point of view". *Applied mathematics e-Notes (AMEN) Volume 7* (2007), 65-70
8. J. Abbott, C. Fassino, M. Torrente: "Thinning Out Redundant Empirical Data." *Mathematics in Computer Science*, 1(2):375-392. (2007)
9. J. Abbott, C. Fassino, M. Torrente: "Stable border basis for ideals of points." *Journal of symbolic computation*, 43 (2008) 883-894
10. C. Fassino: "Almost Vanishing Polynomials for Sets of Limited Precision Points." *Journal of symbolic computation*, 45, Issue 1, (2010) 19-37
11. F. Ricceri, C. Fassino, G. Matullo, M. Roggero, M.-L. Torrente, P. Vineis, L. Terracini: "Algebraic Methods for Studying Interactions Between Epidemiological Variables" *Math. Model. Nat. Phenom.* Vol. 7, No. 3, (2012), 227252

12. C. Fassino, M. Torrente: "Simple varieties for limited precision points" Theoretical Computer Science, 479 (2013) 174–186
13. 13. C. Fassino, G. Pistone, E. Riccomagno:" The algebra of interpolatory cubature formul for generic nodes" Statistics and Computing – IN STAMPA (2013)

### **Elenco lavori presentati a convegni.**

1. B. Codenotti, C. Fassino: "Numerical Computation of the Matrix Exponential".The Seventh Haifa Matrix Theory Conference, (1991), Haifa.
2. M. Arioli, B. Codenotti, C. Fassino: "Error Analysis of Three Methods for Computing the Matrix Exponential".ERCIM Workshop on Numerical Linear Algebra, (1992) Pisa.
3. C. Fassino, G. Manzini: "Newton and Quasi-Newton Methods for the Non-Linear Richards' Equation".Computational Methods in Water Resources Proceedings (CMWR) (1998).
4. C. Fassino:"A robust monomial quotient basis for approximate points." ACM Commun. Comput. Algebra, volume 40, n. 2, 2006, ACM Press, New York, NY, USA
5. 5. C. Fassino, M. Popoviciu, M. Torrente (2009). "Approximate varieties for empirical points." MEGA 2009. Barcellona (Spagna), (2009)
6. C. Fassino, M. Torrente" "Zero-dimensional ideals of limited precision points." ACM Communications in Computer Algebra, Issue 181, 90-91. Grenoble –Francia (2012)

### **Tesi di Dottorato**

1. C. Fassino:"Computation of Matrix Function". Dottorato in Informatica, Universita' di Pisa, (1993).