

## Glossary-Contents

**LDU decomposition, Cholesky factorization**

- BarryHennessy2012b, *Riordan arrays and the LDU decomposition of symmetric Toeplitz plus Hankel matrices*, Linear Algebra Appl. Vol. 437, Issue 6, Sep 2012, 1380–1393, [gen>](#)
- CahillD'ErricoSpence2003, *Complex factorization of the Fibonacci and Lucas numbers*, Fibonacci Quart. 2003 (vol.41,1): 13-19, [arXiv>](#)
- ChuiWardSmith1982, *Cholesky factorization of positive definite bi-infinite matrices*, Numer. Funct. Anal. Optim. Vol. 5, Issue 1, 1982, 1-20, [gen>](#)
- HoradamFilipponi1991, *Cholesky algorithm matrices of Fibonacci type and properties of generalized sequences*, Fibonacci Quart. 1991 (29,2): 164-173, [fibqy>](#)
- KoornwinderOnn2006, *LU factorizations,  $q = 0$  limits, and  $p$ -adic interpretations of some  $q$ -hypergeometric orthogonal polynomials*, Ramanujan J. Vol. 13, Issue 1-3, (Jun 2007), 365-387, [aXv>](#)
- LeeKimLee2002, *Factorizations and eigenvalues of Fibonacci and symmetric Fibonacci matrices*, Fibonacci Quart. 2002 (40,3): 203-211, [fibqy>](#)
- Oruç2007, *LU factorization of the Vandermonde matrix and its applications*, Applied Math. Letters Vol. 20, Issue 9, Sep 2007, 982–987, [gen>](#)
- Strang2013, *Banded matrices with banded inverses and  $A=LPU$* , 5th Int. Congress of Chinese Mathematicians: ICCM2010, [gen>](#)
- Stanica2005, *Cholesky factorizations of matrices associated with  $r$ -order recurrent sequences*, Integers 5(2) (2005), [gen>](#)
- van der MeeRodriguezSeatzu1998, *Block Cholesky factorization of infinite matrices and orthonormalization of vectors of functions*, Lect. Notes Pure Appl. Math. 202, 423-456-Computational mathematics , [gen>](#)
- Yang S-l.2005, *On the LU factorization of the Vandermonde matrix*, Discrete Applied Math. 146 (2005) 102–105, [gen>](#)
- BarryHennessy2012b, *Riordan arrays and the LDU decomposition of symmetric Toeplitz plus Hankel matrices*, Linear Algebra Appl. Vol. 437, Issue 6, Sep 2012, 1380–1393, [gen>](#)
- CahillD'ErricoSpence2003, *Complex factorization of the Fibonacci and Lucas numbers*, Fibonacci Quart. 2003 (vol.41,1): 13-19, [arXiv>](#)

**Hankel**

- BarryHennessy2012b, *Riordan arrays and the LDU decomposition of symmetric Toeplitz plus Hankel matrices*, Linear Algebra Appl. Vol. 437, Issue 6, Sep 2012, 1380–1393, [gen>](#)

**hypergeometric**

- KoornwinderOnn2006, *LU factorizations,  $q = 0$  limits, and  $p$ -adic interpretations of some  $q$ -hypergeometric orthogonal polynomials*, Ramanujan J. Vol. 13, Issue 1-3, (Jun 2007), 365-387, [aXv>](#)

### *Lucas*

- CahillD'ErricoSpence2003, *Complex factorization of the Fibonacci and Lucas numbers*, Fibonacci Quart. 2003 (vol.41,1): 13-19, [arXiv>](#)

### *Riordan arrays*

- BarryHennessy2012b, *Riordan arrays and the LDU decomposition of symmetric Toeplitz plus Hankel matrices*, Linear Algebra Appl. Vol. 437, Issue 6, Sep 2012, 1380–1393, [gen>](#)

### *orthogonal ( $q$ -)polynomials*

- KoornwinderOnn2006, *LU factorizations,  $q = 0$  limits, and  $p$ -adic interpretations of some  $q$ -hypergeometric orthogonal polynomials*, Ramanujan J. Vol. 13, Issue 1-3, (Jun 2007), 365-387, [aXv>](#)

### *Toeplitz*

- BarryHennessy2012b, *Riordan arrays and the LDU decomposition of symmetric Toeplitz plus Hankel matrices*, Linear Algebra Appl. Vol. 437, Issue 6, Sep 2012, 1380–1393, [gen>](#)

### *Vandermonde*

- Yang S-l.2005, *On the LU factorization of the Vandermonde matrix*, Discrete Applied Math. 146 (2005) 102–105, [gen>](#)