

## Glossary-Contents

**hypergeometric**

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- Vidunas2009, *Specialization of Appell's functions to univariate hypergeometric functions*, arXiv(17 Oct 2009), [arXiv>](#)
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**hypergeometric numbers**

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**hypergeometric (q-)polynomials**

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- ChanChenSrivastava2002, *Certain classes of generating functions for the Jacobi and related hypergeometric polynomials*, Comput. Math. Appl. Vol. 44, Issue 12, Dec 2002, 1539–1556, [gen>](#)
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- Neuschel2012, *Asymptotics for ménage polynomials and certain hypergeometric polynomials of type  $3F_1$* , J. Approx. Theory 164 (2012) 981–1006, [jou>](#)
- PandaSrivastava1976, *Some bilateral generating functions for a class of generalized hypergeometric polynomials*, Journal für die reine und angewandte Mathematik Vol. 1976, Issue 283-284, 265–274, [jou>](#)

### **hypergeometric generalized numbers, generalized polynomials**

- LouckBiedenharn1977, *A generalization of the Gauss hypergeometric series*, J. Math. Anal. Appl. Vol. 59, Issue 3, Jul 1977, 423–431, [jou>](#)
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### **Appell**

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### **Bell**

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### **combinatorial theory**

- BelbachirBelkhir2014, *Combinatorial expressions involving Fibonacci, hyperfibonacci, and incomplete Fibonacci numbers*, J. Integer Seq. Vol. 17 (2014), Article 14.4.3, [aXv>](#)

### **Fibonacci**

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### **generating functions**

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### *harmonic*

- LiuWang W.2012, *Harmonic number identities via hypergeometric series and Bell polynomials*, Integral Transforms Spec. Funct. Vol. 23, Issue 1, 2012, [gen>](#)

### *identities, inequalities*

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### *incomplete numbers, generalized numbers, polynomials*

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### *LDU decomposition, Cholesky factorization*

- 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>](#)

### *ménage problem*

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

- Ben CheikhOuni2008, *Some generalized hypergeometric  $d$ -orthogonal polynomial sets*, J. Math. Anal. Appl. Vol. 343, Issue 1, Jul 2008, 464–478, [jou>](#)
- CohlMacKenzieVolkmer2013, *Generalizations of generating functions for hypergeometric orthogonal polynomials with definite integrals*, J. Math. Anal. Appl. Vol. 407, Issue 2, Nov 2013, 211–225, [jou>](#)
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### *recurrence relations*

- ByrnesJiuMollVignat2013, *Recursion rules for the hypergeometric zeta function*, arXiv (8 May 2013), [aXv>](#)

### *Riemann (z-function)*

- Chu1997, *Hypergeometric series and the Riemann zeta function*, Acta Arith. LXXXII.2 (1997), [gen>](#)

### *z-function*

- Chu1997, *Hypergeometric series and the Riemann zeta function*, Acta Arith. LXXXII.2 (1997), [gen>](#)
- Soria-LorenteCumbrera-Gonzales2014,  *$q$ -hypergeometric representations of the  $q$ -analogue of zeta function*, J. of Fractional Calculus and Applications Vol. 5 (2) Jul 2014, 1-8, [jou>](#)