

Glossary-Contents

binomial

- Chu1997b, *Inverse series relations, formal power series and Blodgett-Gessel's type binomial identities*, Collect. Math. 48, 3 (1997), 265–279, [gen>](#)
- Cooper2013, *The q -binomial theorem*, Auckland Mathematical Association, HoD Day, 17 May 2013, [nat>](#)
- GouldQuaintance2014, *Bernoulli numbers and a new binomial transform identity*, J. Integer Seq. Vol. 17 (2014), Article 14.2.2, [jis>](#)
- SpiveySteil2006, *The k -binomial transforms and the Hankel transform*, J. Integer Seq. Vol. 9 (2006), Article 06.1.1, [jis>](#)
- Sun Z-H.2001a, *Invariant sequences under binomial transformation*, Fibonacci Quart. 2001 (39,4): 324-333, [fibqy>](#)

binomial (multinomial)coefficients-type

- BelbachirMihoubi2015, *The (exponential) multipartitional polynomials and polynomial sequences of multinomial type, Part II*, Arab J. Math. Sci. Vol. 21, Issue 1, Jan 2015, 2–14, [nat>](#)
- KyriakoussisVamvakari2007, *Asymptotic behaviour of a q -binomial type distribution based on q -Krawtchouk orthogonal polynomials*, J. Comput. Anal. Appl. Vol. 8, No. 1, 2007, [jou>](#)
- MihoubiMaamra2011, *Touchard polynomials, partial Bell polynomials and polynomials of binomial type*, J. Integer Seq. Vol. 14 (2011), Article 11.3.1, [jis>](#)
- Roman1992, *The logarithmic binomial formula*, Amer. Math. Monthly, Vol. 99, No. 7 (Aug. - Sep., 1992), 641-648, [nat>](#)
- RotaShenTaylor1997, *All polynomials of binomial type are represented by Abel polynomials*, Annali della Scuola Normale Superiore di Pisa - Classe di Scienze 25.3-4 (1997): 731-738, [nat>](#)
- Stam1988, *Polynomials of binomial type and compound Poisson processes*, J. Math. Anal. Appl. Vol. 130, Issue 2, Mar 1988, 493–508, [jou>](#)

binomial coefficients, multinomial coefficients

- Amghibech2007, *On sums involving binomial coefficients*, J. Integer Seq. Vol. 10 (2007), Article 07.2.1, [jis>](#)
- Andrews1990, *Euler's "Exemplum Memorabile Induction Fallacis" and q -trinomial coefficients*, J. Amer. Math. Soc. Vol. 3, No. 3, Jul 1990, [nat>](#)
- Azarian2012a, *Fibonacci identities as binomial sums*, Int. J. Contemp. Math. Sci. Vol. 7, 2012, no. 38, 1871-1876, [gen>](#)
- Azarian2012b, *Fibonacci identities as binomial sums II*, Int. J. Contemp. Math. Sci. Vol. 7, 2012, no. 42, 2053-2059, [gen>](#)

- Azarian2012c, *Identities involving Lucas or Fibonacci and Lucas numbers as binomial sums*, Int. J. Contemp. Math. Sci. Vol. 7, 2012, no. 45, 2221-2227, [gen>](#)
- BelbachirRahmaniSury2011, *Sums involving moments of reciprocals of binomial coefficients*, J. Integer Seq. Vol. 14 (2011), Article 11.6.6, [jis>](#)
- BelbachirRahmaniSury2012, *Alternating sums of the reciprocals of binomial coefficients*, J. Integer Seq. Vol. 15 (2012), Article 12.2.8, [jis>](#)
- BenjaminRouse2004, *Recounting binomial Fibonacci identities*, Proc. of the 10th Int. Conf. on Fibonacci nbs. and their Appl. 2004, Vol. 9, 25-28, [gen>](#)
- Benoumhani2003, *A sequence of binomial coefficients related to Lucas and Fibonacci numbers*, J. Integer Seq. Vol. 6 (2003), Article 03.2.1, [jis>](#)
- BensonRatcliff2009, *Combinatorial properties of generalized binomial coefficients*, Contemp. Math. 2009, vol. 491, 141-150, [gen>](#)
- Boyadzhiev2012, *Series with central binomial coefficients, Catalan numbers, and harmonic numbers*, J. Integer Seq. Vol. 15 (2012), Article 12.1.7, [jis>](#)
- Carlitz1976a, *Some binomial sums*, Fibonacci Quart. 1976 (14,3): 249-253, [fibqy>](#)
- Carlitz1976b, *Some sums of multinomial coefficients*, Fibonacci Quart. 1976 (14,5): 427-438, [fibqy>](#)
- Duarte, de Oliveira2013, *Note on the convolution of binomial coefficients*, J. Integer Seq. Vol. 16 (2013), Article 13.7.6, [jis>](#)
- Dzhumadil'daevYeliussizov2013, *Power sums of binomial coefficients*, J. Integer Seq. Vol. 16 (2013), Article 13.1.4, [jis>](#)
- Elsner2005, *On recurrence formulae for sums involving binomial coefficients*, Fibonacci Quart. 2005 (43,1): 31-45, [fibqy>](#)
- Gould1967, *The Bracket function, q-binomial coefficients, and some new Stirling number formulas*, Fibonacci Quart. 1967 (5,5): 401-423, [fibqy>](#)
- Gould1974, *The design of the four binomial identities: Moriarty intervenes*, Fibonacci Quart. 1974 (12,3): 300-308, [fibqy>](#)
- GouldQuaintance2014, *Bernoulli numbers and a new binomial transform identity*, J. Integer Seq. Vol. 17 (2014), Article 14.2.2, [jis>](#)
- Hodel1974, *Combinatorial interpretation of an analog of generalized binomial coefficients*, Fibonacci Quart. 1974 (12,4): 360-362, [fibqy>](#)
- Hoggatt, Jr.1967, *Fibonacci numbers and generalized binomial coefficients*, Fibonacci Quart. 1967 (5,4): 383, [fibqy>](#)
- JouhetLassZeng2003, *Sur une généralisation des coefficients binomiaux*, arXiv (3 Mar 2003), [aXv>](#)
- Loeb1992, *A generalization of the binomial coefficients*, Discrete Math. Vol. 105, Issues 1–3, 14 Aug 1992, 143–156, [gen>](#)

- Nguyen2013, *Generalized binomial expansions and Bernoulli polynomials*, Integers 13 (2013), [gen>](#)
- Sofo2008a, *Double sums of binomial coefficients*, Int. Math. Forum, 3, 2008, no. 31, 1501-1512, [gen>](#)
- Sofo2009b, *Convexity of finite sums*, Albanian J. Math. (2009) Vol. 3, No. 1, 43-48, [nat>](#)
- Sofo2011b, *Integral identities for rational series involving binomial coefficients*, Bull. Malays. Math. Sci. Soc. (2) **34(3)** (2011), 631–637, [nat>](#)
- Strehl1994, *Binomial identities -- combinatorial and algorithmic aspects*, Discrete Math. Vol. 136, Issues 1–3, 31 Dec1994, 309–346, [gen>](#)
- Sun Y.Ma2014b, *Minors of a class of Riordan arrays related to weighted partial Motzkin paths*, Europ. J. Combin. Vol. 39, Jul 2014, 157–169 arXiv (9 May 2013), [aXv>](#)
- Sun Z-W.2002, *On the sum $\sum_{k=r}^{n-k} \binom{n-k}{k} \pmod{m}$ binomial $\binom{n}{k}$ and related congruences*, Israel J. Math. 128 (2002), 135–156, [nat>](#)
- Sun Z-W.2010b, *Binomial coefficients, Catalan numbers and Lucas quotients*, Sci. China Math. 53 (2010), no. 9, 2473–2488, [nat>](#)
- Sun Z-W.Tauraso2007, *Congruences for sums of binomial coefficients*, J. Number Theory, Vol. 126, Issue 2, Oct 2007, 287–296, [jou>](#)
- Sun Z-W.Tauraso2011, *On some new congruences for binomial coefficients*, Int. J. Number Theory, 07 (2011), No. 3, 645–662, [gen>](#)
- Szablowski2014, *A few remarks on Euler and Bernoulli polyn. and their connections with binom. coef. and modifi...ed Pascal matrices*, Math. Aeterna, Vol. 4, 2014, no. 1, 83 - 88, [gen>](#)
- Trif2000, *Combinatorial sums and series involving inverses of binomial coefficients*, Fibonacci Quart. 2000 (38,1): 79-83, [fibqy>](#)
- Wang Yi2005, *Self-inverse sequences related to a binomial inverse pair*, Fibonacci Quart. 2005 (vol.43 ,1): 46-52, [fibqy>](#)
- Yang J-H.Zhao2006, *Sums involving the inverses of binomial coefficients*, J. Integer Seq. Vol. 9 (2006), Article 06.4.2, [jis>](#)

Abel

- RotaShenTaylor1997, *All polynomials of binomial type are represented by Abel polynomials*, Annali della Scuola Normale Superiore di Pisa - Classe di Scienze 25.3-4 (1997): 731-738, [nat>](#)

Bell partial polynomials

- MihoubiMaamra2011, *Touchard polynomials, partial Bell polynomials and polynomials of binomial type*, J. Integer Seq. Vol. 14 (2011), Article 11.3.1, [jis>](#)

Bernoulli

- Szablowski2014, *A few remarks on Euler and Bernoulli polyn. and their connections with binom. coef. and modifi...ed Pascal matrices*, Math. Aeterna, Vol. 4, 2014, no. 1, 83 - 88, [gen>](#)

Catalan

- Sun Z-W.2010b, *Binomial coefficients, Catalan numbers and Lucas quotients*, Sci. China Math. 53 (2010), no. 9, 2473–2488, [nat>](#)

combinatorial theory

- Strehl1994, *Binomial identities -- combinatorial and algorithmic aspects*, Discrete Math. Vol. 136, Issues 1–3, 31 Dec1994, 309–346, [gen>](#)
- Trif2000, *Combinatorial sums and series involving inverses of binomial coefficients*, Fibonacci Quart. 2000 (38,1): 79-83, [fibqy>](#)

congruences

- Sun Z-W.2002, *On the sum $\sum_{k=r}^n \binom{n}{k} \pmod{m}$ binomial(n,k) and related congruences*, Israel J. Math. 128 (2002), 135–156, [nat>](#)
- Sun Z-W.Tauraso2007, *Congruences for sums of binomial coefficients*, J. Number Theory, Vol. 126, Issue 2, Oct 2007, 287–296, [jou>](#)
- Sun Z-W.Tauraso2011, *On some new congruences for binomial coefficients*, Int. J. Number Theory, 07 (2011), No. 3, 645–662, [gen>](#)

Euler

- Szablowski2014, *A few remarks on Euler and Bernoulli polyn. and their connections with binom. coef. and modifi...ed Pascal matrices*, Math. Aeterna, Vol. 4, 2014, no. 1, 83-88, [gen>](#)

identities, inequalities

- Strehl1994, *Binomial identities -- combinatorial and algorithmic aspects*, Discrete Math. Vol. 136, Issues 1–3, 31 Dec1994, 309–346, [gen>](#)

inverse (reciprocal) numbers, sums, polynomials

- Trif2000, *Combinatorial sums and series involving inverses of binomial coefficients*, Fibonacci Quart. 2000 (38,1): 79-83, [fibqy>](#)
- Wang Yi2005, *Self-inverse sequences related to a binomial inverse pair*, Fibonacci Quart. 2005 (vol.43 ,1): 46-52, [fibqy>](#)
- Yang J-H.Zhao2006, *Sums involving the inverses of binomial coefficients*, J. Integer Seq. Vol. 9 (2006), Article 06.4.2, [jis>](#)

Krawtchouk

- KyriakoussisVamvakari2007, *Asymptotic behaviour of a q-binomial type distribution based on q-Krawtchouk orthogonal polynomials*, J. Comput. Anal. Appl. Vol. 8, No. 1, 2007, [jou>](#)

Lucas

- Sun Z-W.2010b, *Binomial coefficients, Catalan numbers and Lucas quotients*, Sci. China Math. 53 (2010), no. 9, 2473–2488, [nat>](#)

process

- Stam1988, *Polynomials of binomial type and compound Poisson processes*, J. Math. Anal. Appl. Vol. 130, Issue 2, Mar 1988, 493–508, [jou>](#)

Stirling

- Gould1967, *The Bracket function, q-binomial coefficients, and some new Stirling number formulas*, Fibonacci Quart. 1967 (5,5): 401-423, [fibqy>](#)

Touchard

- MihoubiMaamra2011, *Touchard polynomials, partial Bell polynomials and polynomials of binomial type*, J. Integer Seq. Vol. 14 (2011), Article 11.3.1, [jis>](#)

transforms

- GouldQuaintance2014, *Bernoulli numbers and a new binomial transform identity*, J. Integer Seq. Vol. 17 (2014), Article 14.2.2, [jis>](#)
- SpiveySteil2006, *The k-binomial transforms and the Hankel transform*, J. Integer Seq. Vol. 9 (2006), Article 06.1.1, [jis>](#)
- Sun Z-H.2001a, *Invariant sequences under binomial transformation*, Fibonacci Quart. 2001 (39,4): 324-333, [fibqy>](#)