

## Glossary-Contents

## transforms

## bracket function transforms

- Haukkanen1997b, *A note on the bracket function transform*, Fibonacci Quart. 1997 (35,2): 156-159, [fibqy>](#)

## Hankel transforms

- ArmasSethuraman2008, *A Note on the Hankel Transform of the Central Binomial Coefficients*, J. Integer Seq. Vol. 11 (2008), Article 08.5.8, [jis>](#)
- Barry2010a, *Generalized Catalan numbers, Hankel transforms and Somos-4 sequences*, J. Integer Seq. Vol. 13 (2010), Article 10.7.2, [jis>](#)
- Barry2010b, *The restricted Toda chain, exponential Riordan arrays, and Hankel transforms*, J. Integer Seq. Vol. 13 (2010), Article 10.8.4, [jis>](#)
- Barry2011a, *Riordan arrays, orthogonal polynomials as moments, and Hankel transforms*, J. Integer Seq. Vol. 14 (2011), Article 11.2.2, [jis>](#)
- Barry2011c, *Combinatorial polynomials as moments, Hankel transforms, and exponential Riordan arrays*, J. Integer Seq. Vol. 14 (2011), Article 11.6.7, [jis>](#)
- BarryHennessy2009, *Notes on a family of Riordan arrays and associated integer Hankel transforms*, J. Integer Seq. Vol. 12 (2009), Article 09.5.3, [jis>](#)
- Bouras2013, *A new characterization of Catalan numbers related to Hankel transforms and Fibonacci numbers*, J. Integer Seq. Vol. 16 (2013), Article 13.3.3, [jis>](#)
- ChamberlandFrench2007, *Generalized Catalan numbers and generalized Hankel transformations*, J. Integer Seq. Vol. 10 (2007), Article 07.1.1, [jis>](#)
- Corcino R.B.Jaylo-CamposMacodi-Ringia2014, *On noncentral Bell numbers and their Hankel transforms*, Turkish J. of Analysis and Number Theory 2014, Vol. 2, No. 2, 28-35, [nat>](#)
- CvetkovicRajkovicIvkovic2002, *Catalan numbers, the Hankel transform, and Fibonacci numbers*, J. Integer Seq. Vol. 5 (2002), Article 02.1.3, [jis>](#)
- DoughertyFrenchSaderholmQian2011, *Hankel transforms of linear combinations of Catalan numbers*, J. Integer Seq. Vol. 14 (2011), Article 11.5.1, [jis>](#)
- French2007, *Transformations preserving the Hankel transform*, J. Integer Seq. Vol. 10 (2007), Article 07.7.3, [jis>](#)
- KoornwinderSwarttouw1992, *On q-analogues of the Fourier and Hankel transforms*, Trans. Amer. Math. Soc. Vol. 333, No. 1, Sep 1992, [nat>](#)
- Layman2001, *The Hankel transform and some of its properties*, J. Integer Seq. Vol. 4 (2001), Article 01.1.5, [jis>](#)
- PetkovicRajkovic2006, *Hankel transform of Narayana polynomials and generalized Catalan numbers*, Int. Conference PRIM 2006, [gen>](#)

- PetkovicRajkovicBarry2011, *The Hankel transform of generalized central trinomial coefficients and related sequences*, Integral Transforms Spec. Funct. 2011 (vol.22,1): 29-44, [gen>](#)
- Piessens2000, *The Hankel transform*, Ch. 9, A. D. Poularikas, Editor-in-Chief, Transforms and Applications Handbook (Third Edition 2000), [gen>](#)
- RajkovicPetkovićBarry2007, *The Hankel transform of the sum of consecutive generalized Catalan numbers*, Integral Transforms and Special Functions, Vol. 18, Issue 4, 2007, [aXv>](#)
- SpiveySteil2006, *The k-binomial transforms and the Hankel transform*, J. Integer Seq. Vol. 9 (2006), Article 06.1.1, [jis>](#)

### Hermite transforms

- Glaeske2000, *Convolution structure of (generalized) Hermite transforms*, Banach Center Publ. Vol. 53, [nat>](#)

### Jacobi big-q transform

- Groenevelt2009, *The vector-valued big q-Jacobi transform*, Constr. Approx. (2009) 29: 85-127, [gen>](#)

### Jacobi transform

- Koornwinder1975, *A new proof of a Paley-Wiener type theorem for the Jacobi transform*, Arkiv för Matematik, 1975, Vol. 13, Issue 1-2, 145-159, [nat>](#)

### Laguerre transform

- Barry2007b, *Some observations on the Lah and Laguerre transforms of integer sequences*, J. Integer Seq. Vol. 10 (2007), Article 07.4.6, [jis>](#)

### Lah transform

- Barry2007b, *Some observations on the Lah and Laguerre transforms of integer sequences*, J. Integer Seq. Vol. 10 (2007), Article 07.4.6, [jis>](#)

### Laplace transform

- Ivic2008, *The Laplace and Mellin transforms of powers of the Riemann zeta-function*, arXiv (2 Jun 2006), [aXv>](#)

### Legendre transform

- JinDickinson2000, *Apéry sequences and Legendre transforms*, J. Austral. Math. Soc. (Series A) 68 (2000), 349-356, [nat>](#)
- Schmidt1995, *Legendre transforms and Apéry's sequences*, J. Austral. Math. Soc. (Series A) **58** (1995), 358-375, [nat>](#)
- Strehl1992, *Recurrences and Legendre Transform*, Sémin. Lothar. Combin. B29b (1992), 22 pages. 29 Thurnau, Sep 1992, [gen>](#)

### matrix transformations

- Kimberling2003, *Matrix transformations of Integer Sequences*, J. Integer Seq. Vol. 6 (2003), Article 03.3.3, [jis>](#)
- Strang2010, *Fast transforms: banded matrices with banded inverses*, Proc. Natl. Acad. Sci. USA, 107 (#28), (2010) 12413-12416, [nat>](#)

## Mellin transforms

- Ivic2008, *The Laplace and Mellin transforms of powers of the Riemann zeta-function*, arXiv (2 Jun 2006), [aXv>](#)
- IvicJutilaMotohashi2000, *The Mellin transform of powers of the zeta-function*, Acta Arithmetica, XCV.4 (2000), [gen>](#)
- LuchkoKiryakova2013, *The Mellin integral transform in fractional calculus*, Fract. Calc. Appl. Anal. Vol. 16, No. 2, (2013), [gen>](#)
- MillerSrivastava1998, *On the Mellin transform of a product of hypergeometric functions*, J. Austral. Math. Soc. Ser. B 40(1998), 222-237, [nat>](#)
- Nikolova2012,  *$\alpha$ -Mellin transform and one of its applications*, Mathematica Balkanica, New Series Vol. 26, 2012, Fasc. 1-2, [nat>](#)
- Oosthuisen2011, *The Mellin transform*, This project is supported by the National Research Foundation (NRF) (2011), [gen>](#)
- PilipovicStojanovic1992, *The modified Mellin transform and convolution*, Univ. U Novom Sadu Zb. Ser. Mat. 22,2 (1992), 109-126, [nat>](#)
- SharmaDeshmukh2014, *Applications of two dimensional fractional Mellin transform*, Int. J. Scient. Innov. Math. Research, Vol. 2, Issue 9, Sep 2014, 794-799, [gen>](#)
- TwamleyMilburn2007, *The quantum Mellin transform*, arXiv (12 Feb 2007), [aXv>](#)

## Pfaffian transform

- AustinBantilanEggeJonasKory2009, *The Pfaffian transform*, J. Integer Seq. Vol. 12 (2009), Article 09.1.5, [jjs>](#)

## Toeplitz transforms

- HeinigBojanczyk1997, *Transformation techniques for Toeplitz and Toeplitz-plus-Hankel matrices Part I. Transformations*, Linear Algebra Appl. 254: 193-226 (1997), [gen>](#)
- HeinigBojanczyk1998, *Transformation techniques for Toeplitz and Toeplitz-plus-Hankel matrices II. Algorithms*, Linear Algebra Appl. Vol.278, Issues 1–3, 15 Jul 1998, 11-36, [gen>](#)

## Toeplitz-plus-Hankel transforms

- HeinigBojanczyk1997, *Transformation techniques for Toeplitz and Toeplitz-plus-Hankel matrices Part I. Transformations*, Linear Algebra Appl. 254: 193-226 (1997), [gen>](#)
- HeinigBojanczyk1998, *Transformation techniques for Toeplitz and Toeplitz-plus-Hankel matrices II. Algorithms*, Linear Algebra Appl. Vol.278, Issues 1–3, 15 Jul 1998, 11-36, [gen>](#)

## Wilson function transform

- Groenevelt2003a, *The Wilson function transform*, arXiv (30 Jun 2003), [aXv>](#)

## *Apéry*

- JinDickinson2000, *Apéry sequences and Legendre transforms*, J. Austral. Math. Soc. (Series A) 68 (2000), 349-356, [nat>](#)
- Schmidt1995, *Legendre transforms and Apéry's sequences*, J. Austral. Math. Soc. (Series A) 58 (1995), 358-375, [nat>](#)

## *convolution*

- PilipovicStojanovic1992, *The modified Mellin transform and convolution*, Univ. U Novom Sadu Zb. Ser. Mat. 22,2 (1992), 109-126, [nat>](#)

## *integer sequences*

- Barry2007b, *Some observations on the Lah and Laguerre transforms of integer sequences*, J. Integer Seq. Vol. 10 (2007), Article 07.4.6, [jis>](#)
- Kimberling2003, *Matrix transformations of Integer Sequences*, J. Integer Seq. Vol. 6 (2003), Article 03.3.3, [jis>](#)

## *recurrence relations*

- Strehl1992, *Recurrences and Legendre Transform*, Sémin. Lothar. Combin. B29b (1992), 22 pages. 29 Thurnau, Sep 1992, [gen>](#)