

## Glossary-Contents

**Hermite****Hermite numbers, polynomials**

- AraciAcikgozBagdasaryanSen2013, *The Legendre polynomials associated with Bernoulli, Euler, Hermite and Bernstein polynomials*, Turkish J. Anal. Number Theory, 2013, Vol. 1, No. 1, 1-3, [nat>](#)
- BojdiAhmadi-AslAminataei2013, *Operational matrices with respect to Hermite polyn. and their applications in solving linear differential equations with variable coeff.*, J. of Linear and Topological Algebra Vol. 02, No. 02, 2013, 91-103, [jou>](#)
- Cesarano2014, *A note on generalized Hermite polynomials*, Int. J. Appl. Math. Informatics Vol. 8, 2014, [gen>](#)
- ChaggaraKoepf2011, *On linearization and connection coefficients for generalized Hermite polynomials*, J. Comp. Appl. Math. Vol. 236, Issue 1, Aug 2011, 65-73, [jou>](#)
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- Ghanmi2013, *Operational formulae for the complex Hermite polynomials  $H_{p,q}(z, z^{\wedge})$* , arXiv (10 Jan 2013), [axv>](#)
- HabibullahShakoor2013, *A generalization of Hermite polynomials*, Int. Math. Forum, Vol. 8, 2013, no. 15, 701-706, [gen>](#)
- HussainSingh1980, *Some properties of orthogonal polynomials related to Hermite polynomials*, Indian J. Pure Appl. Math. 11(8): 1018-1020, Aug 1980, [nat>](#)
- IsmailMasson1994, *q-Hermite polynomials, biorthogonal rational functions, and q-beta integrals*, Trans. Amer. Math. Soc. Vol. 346, No. 1, (Nov 1994), 63-116, [nat>](#)
- KarginKurt2013, *Some relations on Hermite matrix polynomials*, Math. Comput. Appl. Vol. 18, No. 3, 323-329, 2013, [gen>](#)
- KimKim2012b, *Extended Laguerre polynomials associated with Hermite, Bernoulli, and Euler numbers and polynomials*, Abstr. Appl. Anal. Vol. 2012 (2012), Article ID 957350, 15 p., [gen>](#)
- KimKim2013b, *A note on the Hermite numbers and polynomials*, Math. Inequal. Appl. Vol. 16, No. 4 (2013), 1115–1122, [gen>](#)
- KimKimRimLee2012, *Hermite polynomials and their applications associated with Bernoulli and Euler numbers*, Discrete Dyn. Nat. Soc. Vol. 2012, Article ID 974632, 13 p., [gen>](#)

- Lawi2008, *Hermite and Laguerre polynomials and matrix valued stochastic processes*, Electron. Commun. Probab. 13 (2008), 67–84, [gen>](#)
- Nagel1994, *The relativistic Hermite polynomial is a Gegenbauer polynomial*, J. Math. Phys. 35, 1549 (1994), [jou>](#)
- Radulescu2008, *Rodrigues-type formulae for Hermite and Laguerre polynomials*, An. S.t. Univ. Ovidius Constant,a Vol. 16 (2), 2008, 109–116, [nat>](#)
- SinghalJoshi1982a, *On the unification of generalized Hermite and Laguerre polynomials*, Indian J. Pure Appl. Math. 13(8): 904-906, August 1982, [nat>](#)
- SinghalJoshi1982b, *On the unification of generalized Hermite and Laguerre polynomials*, Revista matemática hispanoamericana Vol. 42, Nº. 1-3, 1982, 82-89, [nat>](#)
- Szablowski2013, *On the  $q$ -Hermite polynomials and their relationship with some other families of orthogonal polynomials*, Demonstratio Math. Vol. XLVI No 4 2013, [gen>](#)

### **Hermite generalized polynomials**

- Chaggarakoepf2011, *On linearization and connection coefficients for generalized Hermite polynomials*, J. Comp. Appl. Math. Vol. 236, Issue 1, Aug 2011, 65-73, [jou>](#)

### **Bernoulli**

- AraciAcikgozBagdasaryanSen2013, *The Legendre polynomials associated with Bernoulli, Euler, Hermite and Bernstein polynomials*, Turkish J. Anal. Number Theory, 2013, Vol. 1, No. 1, 1-3, [nat>](#)
- KimKim2012b, *Extended Laguerre polynomials associated with Hermite, Bernoulli, and Euler numbers and polynomials*, Abstr. Appl. Anal. Vol. 2012 (2012), Article ID 957350, 15 p, [gen>](#)
- KimKimRimLee2012, *Hermite polynomials and their applications associated with Bernoulli and Euler numbers*, Discrete Dyn. Nat. Soc. Vol. 2012, Article ID 974632, 13 p, [gen>](#)

### **Bernstein**

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### **Euler**

- AraciAcikgozBagdasaryanSen2013, *The Legendre polynomials associated with Bernoulli, Euler, Hermite and Bernstein polynomials*, Turkish J. Anal. Number Theory, 2013, Vol. 1, No. 1, 1-3, [nat>](#)
- KimKim2012b, *Extended Laguerre polynomials associated with Hermite, Bernoulli, and Euler numbers and polynomials*, Abstr. Appl. Anal. Vol. 2012 (2012), Article ID 957350, 15 p, [gen>](#)

- KimKimRimLee2012, *Hermite polynomials and their applications associated with Bernoulli and Euler numbers*, Discrete Dyn. Nat. Soc. Vol. 2012, Article ID 974632, 13 p., [gen>](#)

### Gegenbauer (ultraspherical)

- Nagel1994, *The relativistic Hermite polynomial is a Gegenbauer polynomial*, J. Math. Phys. 35, 1549 (1994), [jou>](#)

### Laguerre

- KimKim2012b, *Extended Laguerre polynomials associated with Hermite, Bernoulli, and Euler numbers and polynomials*, Abstr. Appl. Anal. Vol. 2012 (2012), Article ID 957350, 15 p, [gen>](#)
- Lawi2008, *Hermite and Laguerre polynomials and matrix valued stochastic processes*, Electron. Commun. Probab. 13 (2008), 67–84, [gen>](#)
- Radulescu2008, *Rodrigues-type formulae for Hermite and Laguerre polynomials*, An. S.t. Univ. Ovidius Constant,a Vol. 16 (2), 2008, 109–116, [nat>](#)
- SinghalJoshi1982a, *On the unification of generalized Hermite and Laguerre polynomials*, Indian J. Pure Appl. Math. **13**(8): 904-906, August 1982, [nat>](#)
- SinghalJoshi1982b, *On the unification of generalized Hermite and Laguerre polynomials*, Revista matemática hispanoamericana Vol. 42, Nº. 1-3, 1982, 82-89, [nat>](#)

### Legendre

- AraciAcikgozBagdasaryanSen2013, *The Legendre polynomials associated with Bernoulli, Euler, Hermite and Bernstein polynomials*, Turkish J. Anal. Number Theory, 2013, Vol. 1, No. 1, 1-3, [nat>](#)

### operational calculus

- Ghanmi2013, *Operational formulae for the complex Hermite polynomials  $H_{p,q}(z, z^{\wedge})$* , arXiv (10 Jan 2013), [aXv>](#)

### orthogonal (q-)polynomials

- HussainSingh1980, *Some properties of orthogonal polynomials related to Hermite polynomials*, Indian J. Pure Appl. Math. 11(8): 1018-1020, Aug 1980, [nat>](#)
- Szablowski2013, *On the q-Hermite polynomials and their relationship with some other families of orthogonal polynomials*, Demonstratio Math. Vol. XLVI No 4 2013, [gen>](#)

### Rodrigues

- Radulescu2008, *Rodrigues-type formulae for Hermite and Laguerre polynomials*, An. S.t. Univ. Ovidius Constant,a Vol. 16 (2), 2008, 109–116, [nat>](#)

### stochastic processes

- Lawi2008, *Hermite and Laguerre polynomials and matrix valued stochastic processes*, Electron. Commun. Probab. 13 (2008), 67–84, [gen>](#)

