

[Browse journal](#)

[View all volumes and issues](#)

[Current issue](#)

[Latest articles](#)

[Most read articles](#)

[Most cited articles](#)

[Authors and submissions](#)

[Subscribe](#)

[About this journal](#)

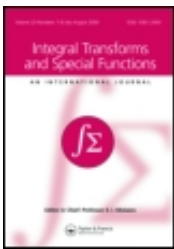
[News & offers](#)

Integral Transforms and Special Functions

Volume 14, Issue 2, 2003

Seleziona lingua ▼

[Translator disclaimer](#)



The Lagrange Polynomials, the Associated Generalizations, and the Umbral Calculus

[Preview](#) [Download full text](#)

[Access options](#)

DOI:

10.1080/1065246031000098186

G. Dattoli^a, P. E. Ricci^b & C. Cesarano^{ca}

pages 181-186

Publishing models and article dates explained

Published online: 18 Oct 2010

Article Views: 29

Article usage statistics combine cumulative total PDF downloads and full-text HTML views from publication date (but no earlier than 25 Jun 2011, launch date of this website) to 09 Apr 2014. Article views are only counted from this site. Although these data are updated every 24 hours, there may be a 48-hour delay before the most recent numbers are available.

[Alert me](#)

- [TOCemail alert](#)
- [TOCRSS feed](#)
- [Citation email alert](#)
- [Citation RSS feed](#)

Abstract

We discuss the theory of Lagrange polynomials and of associated generalized forms, using two different approaches based on the integral transform method and the Umbral Calculus. We will show that the proposed methods offer a powerful tool to investigate the properties of this family of polynomials.

- [Download full text](#)

Keywords

- Hermite-Kampé De Fériet Polynomials,
- Lagrange Polynomials,
- Integral Representation,
- Umbral Calculus

Related articles

View all related articles

-
- Add to shortlist
- Link

Permalink

<http://dx.doi.org/10.1080/1065246031000098186>

- Download Citation
- Recommend to:
- A friend

- Information
- References
- Citations
- Reprints & permissions

Details

- **Published online:** 18 Oct 2010



Taylor & Francis
Taylor & Francis Group

Author affiliations

- ^a ENEA - Unità Tecnico Scientifica Tecnologie Fisiche Applicate , Centro Ricerche Frascati , Via E. Fermi, 45, Frascati, Roma, 00044, Italia
- ^b Dipartimento di Matematica , Università di Roma "La Sapienza" , P. le A. Moro, 2, Roma, 00185, Italia
- ^c Departamento de Matematica Aplicada, Facultad de Informatica , Universidad Complutense , 28040, Madrid, Spain