

Basic Information :

Name : Basma Magdy Ahmed Mohamed
Title : Lecturer



Education:

Certificate	Major	University	Year
PhD			2023
Masters	physics	Manoufia University	2019
Bachelor	Electrical Power Engineering	Future University - Faculty Of Engineering	2014

Teaching Experience:

Name Of Organization	Position	From Date	To Date
FUE	Lecturer	12/10/2014	Current

Researches / Publications :

- Approximate Solutions of Hypersingular Integral Equations of the First Kind Using Chebyshev Polynomials of the Second Kind in Matrix-Vector Versions
- Interpolated Solutions of Abel Integral Equations Using Barycentric Lagrange Double Interpolation
- Barycentric Lagrange interpolation method for solving Love's integral equations
- Barycentric Lagrange Interpolation Methods for Evaluating Singular Integrals
- Vandermonde-Interpolation Method with Chebyshev Nodes for Solving Volterra Integral Equations of the Second Kind with Weakly Singular Kernels
- The Interpolation-Vandermonde Method for Numerical Solutions of Weakly Singular Volterra Integral Equations of the Second Kind
- Interpolation method for solving Volterra integral equations with weakly singular kernel using an advanced barycentric Lagrange formula
- Barycentric Lagrange Interpolation Matrix. Vector Form Polynomial for Solving Volterra Integral Equations of the Second Kind
- The Barycentric Lagrange Interpolation via Maclaurin Polynomials for Solving the Second Kind Volterra Integral Equations
- Barycentric - Maclaurin Interpolation Method for Solving Volterra Integral Equations of the Second Kind
- Multi-techniques method for Solving Volterra Integral Equations of the Second Kind
- Numerical Solutions of Volterra Integral Equations of the Second Kind Using Barycentric Lagrange with Chebyshev Interpolation
- Barycentric Lagrange interpolation for solving Volterra integral equations of the second kind
- Numerical Solutions of Volterra Integral Equations of the Second Kind using Lagrange interpolation via the Vandermonde matrix
- Approximate Solutions of Hypersingular Integral Equations of the First Kind Using Chebyshev Polynomials of the Second Kind in Matrix-Vector Versions