

### 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