







# Hesham Khalifa


Mathematics Lecturer

 25 August 1978

 Cairo. EGYPT

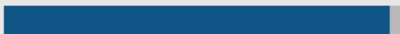
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## Skills

Mathematica programs



Fortran, C++, Matlab



Latex



Word, PowerPoint, Excel



Windows system



(\*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

## Education

2023	Ph.D Pure Mathematics <i>Approximate solutions for some differential equations.</i>	Helwan Univ.
2018-2023	Ph.D. candidate in Mathematics <i>Numerical methods for differential equations.</i>	Helwan Univ.
2006-2011	M.Sc. Pure Mathematics <i>Numerical solutions for some ordinary and partial differential equations</i>	Helwan Univ.
1997-2002	B.Sc. Mathematics	Mansora Univ.

## Publications

2020	Crank–Nicolson finite difference method for time fractional coupled KdV equation.
2021	Comparison between numerical methods for generalized Zakharov system
2023	A hybrid technique based on Lucas polynomials for solving fractional diffusion partial differential equation

## Experience

since 2018	CIC Candian International Collage (Part time) Math 2, Calculus, Buss. Math 1, Buss. Math 2 and Statistics	EGYPT
2016–2017	King Saud university Math 150, Math 130, Math 1202, Stat 140 and Stat 1102	KSA
2015–2016	Prince Sattam bin Abdul-Aziz university Math 1050, Math 1060	KSA
2014–2016	Prince Sattam bin Abdul-Aziz university College of Engineering in Wadi Addawasir Math 2030, Math 2040, Math 2440 and Stat 3201	KSA
2012–2013	Prince Salman bin Abdul-Aziz university Math 1050, Math 1060	KSA

## Interests

I am interested in analytic and approximate solutions of the non linear systems of partial and fractional and variable order differential equations that appear in the applications of physics and biology.

## About me

A talented and capable applicant who wishes to apply for your teaching vacancy. I would bring to your university real life experience of all mathematics subjects mentioned in the job description. All of these being fields mentioned in the job advert. I am very confident that my background as a teacher closely parallels the profile of the type of candidate you are looking for. With my present employer I have consistently exceeded all goals set for me, and am valued for my hard work, reliability, tenacity and ability to come up with solutions to problems. I would be grateful for the opportunity to demonstrate my capabilities further at an interview. Please feel free to contact me to arrange a meeting at your earliest convenience. In closing I would like to thank you for taking the time to consider my application, and I eagerly look forward to hearing from you.