



THE TECHNICAL UNIVERSITY OF KENYA

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Faculty:	Applied Sciences and Technology
School:	Mathematics and Actuarial Science
Department:	Pure and Applied Mathematics
Current Designation:	Lecturer, PURE AND APPLIED MATHEMATICS (DPAM)
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EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Philosophy (PhD)	PURE MATHEMATICS	JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY(Kenya)	2019
Masters of Science (M.Sc.)	PURE MATHEMATICS	MASENO UNIVERSITY(Kenya)	2013
Bachelor of Education (B.Ed)	SCIENCE (Mathematics Major/ Chemistry Minor)	EGERTON(Kenya)	2007

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
2020 - TO DATE	TECHNICAL UNIVERSITY OF KENYA	LECTURER
January 2014 - October 2014	Great Lakes University Of Kisumu	Assistant Lecturer
2014 - 2019	TECHNICAL UNIVERSITY OF KENYA	TUTORIAL FELLOW

CURRENT RESEARCH PROJECTS	
CHARACTERIZATION OF ESSENTIAL NUMERICAL RANGES AND DAVIS-WIELANDT SHELLS OF HILBERT SPACE OPERATORS	PURE MATHEMATICS

SELECTED PUBLICATIONS		
TITLE	LINK TO PUBLICATION	YEAR
On the Numerical Solution of Linear and Non-Linear Dirichlet Boundary Value Problems of Ordinary Differential Equations: The Shooting Method	View online	2024
Essential numerical range ISBN: 978-620-4-98622-7	View online	2022
Introduction to set theory	View online	2023
On the Numerical Solution of Boundary Value Problem (BVP) of the Ordinary Differential Equation (ODE) - The Case of Steady-State Bio-Heat Equation with Combined Heat Transfer Coefficient by Pseudo-Spectral Collocation Method	View online	2023
Essential numerical range and Davis-Wielandt Shell ISBN: 978-620-4-98557-2	View online	2022
On Essential Numerical Range and Davis-Wielandt Shell of Hilbert Space Operators	View online	2019
On The Similarities In Properties Of Essential Numerical Range And Davis-Wielandt Shell Of Hilbert Space Operators	View online	2019
Relationships between the classical numerical range and the essential numerical ranges	View online	2018