

Research Group 6

Group Name	Numerical Analysis
Academic Year	2021

Basic Information	
Department	Mathematics
Location	Sohag University

Group Members				
No. of Prof.	No. of Ass. Prof.	No. of Lect.	No. of Ass. Lect. & Demonst.	
1	-	-	1	



كلية العلوم
Faculty of Science

حاصلة على شهادة الاعتماد من الهيئة القومية
لضمان جودة التعليم والاعتماد في 2012/7/12م



جامعة سوهاج
University of Sohag

Staff members

#	Name	Scientific degree	e-mail	Specializations	C.V
1	Mohamed Taha Rashed	Professor	taha_123452002@yahoo.com	Numerical Analysis	https://www.scopus.com/authid/detail.uri?authorId=23098027800

Ass. Lecturers & Demonstrators

#	Name	Scientific degree	e-mail	Specializations	
1	Hareth Mohamed Refat	Ass. Lecturer	hareth.mohamed.refat@gmail.com	Numerical Analysis	https://www.scopus.com/authid/detail.uri?authorId=57200526762

Theses produced by the Lab

M. Sc Thesis

#	Name	Title	Approval date
1	Hareth Mohamed Refat	Pseudospectral Integration Methods and Adaptive Spectral Element Integration Methods for Solving Differential Equations of Lane-Emden and Singular Perturbation Types	30/12/2019
2			

Ph.D. Thesis

#			
1			
2			

Articles produced by the Lab

#	Title	Journal information
1	High-order shifted Gegenbauer integral pseudo-spectral method for solving differential equations of Lane–Emden type	Applied Numerical Mathematics, 2018, 128, pp. 98–124
2	High-order Gegenbauer integral spectral element method integrated with an adaptive Chebyshev optimization strategy for solving linear singularly perturbed differential equations	Journal of Computational and Applied Mathematics, 2020, 372, 112722