

ACTIVITIES OF DEPARTMENT OF MATHEMATICS FOR THE SESSION 2021-22

Sl No.	Date of Seminar/webinar	Title of the Seminar/webinar	Name of the Resource Person	Brief Report on Seminar/webinar
1.	24.03.2022	Convergence of Sequences	Prof L K Paikray, Reader in Maths , Dalmia College , Rajgangpur	Sequences and meaning of Convergence. Bozano Weristrass Theorem for Sequence and Oscillatory Sequence .Plotting different Graphs using MATLAB .
2.	31.03.2022	Solving and Plotting of ODE and PDE using Mathematica.	Mr A Dash, OMSIST, Rajgangpur Mr A Pradhan, OMSIST, Rajgangpur	Solving Ordinary Differential Equation of First Order and First-Degree using Mathematica software using examples. Techniques to solving Higher Order Ordinary Diff Equations.
3.	01-06-2022	Riemann integration	Mr U Patel, Lect in Maths , V P College Duduka.	Riemann integration; inequalities of upper and lower sums; Riemann conditions of integrability. Riemann integral; definition and integrability Of piecewise continuous and monotone functions.
4.	30-06-2022	Solving Plotting of PDE using Mathematica	Mr S Sarangi, Reader in Maths , Nilasaila College Rourkela	Solution of Cauchy problem for first order PDE. Plot the integral surfaces of a given first order PDE with initial data.

SOLVING AND PLOTTING OF ODE AND PDE
USING

...MATHEMATICA...



WOLFRAM MATHEMATICA[®]12

Department of Mathematics , S D Women's College , Rajgangpur

Date : 31-03-2022, Time : 02.00pm

Presenter: Ms. Nandini Singh

Guest:

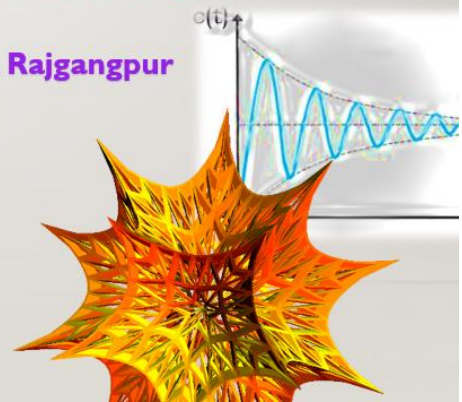
Mr. Amar Dash

Lect in Maths , OMSIST, Rajgangpur

Guest:

Mr. Ashish Pradhan

Lect in Maths , OMSIST, Rajgangpur



SEMINAR ON

Convergence of Sequences

Dept of Maths :
S D Women's College
Rajgangpur

Date:
24.03.2022

Time : 11.15am

Resource Person:
Mr. L K Paikray
Reader in Maths
Dalmia College ,Rajgangpur

Convergence & Divergence

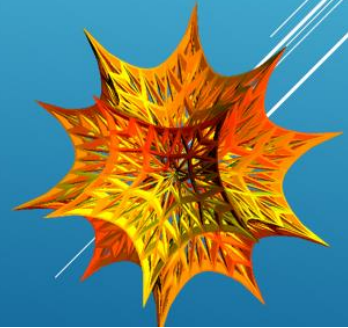

$$a_n = \frac{(n+1)}{(n+3)}$$
$$a_n = \left[1 + \frac{1}{n}\right]^n$$
$$a_n = \sin\left(\frac{1}{n}\right) \quad \lim_{n \rightarrow \infty} a_n = L$$

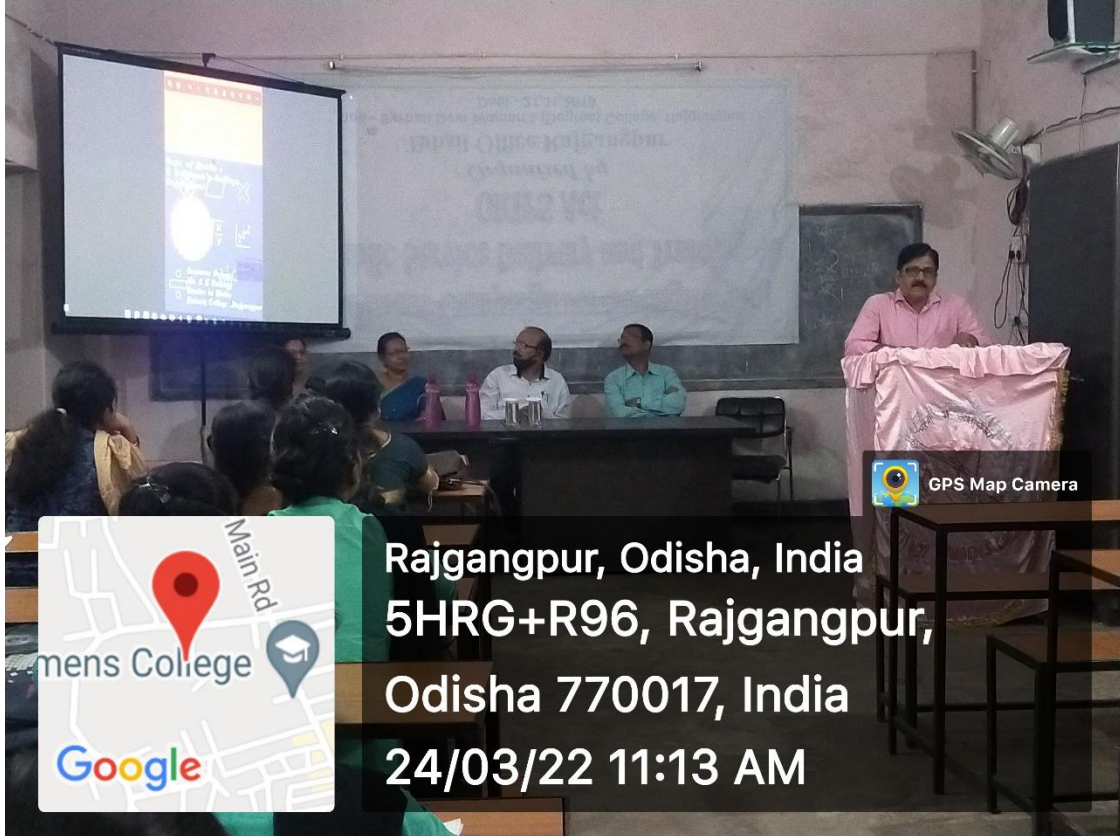
SOLVING AND PLOTTING OF ODE AND PDE
USING

....MATHEMATICA....



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24/03/22 11:13 AM



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