

Mehr Chand Mahajan DAV College for Women

P.G. Department of Mathematics

Course e-content for BSc III & BA III (Math)

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Subject: Numerical Analysis

Contents: Recorded lectures, notes and practice questions

Recorded Lectures

1. Bisection Method
<https://drive.google.com/file/d/1hcpEi3z6mtBOMPtSwfZBzZZ40ZP4JPr1/view?usp=sharing>
2. Secant Method
<https://drive.google.com/file/d/1PIvudAL2kE5pZ3R3kw9HzinUCASezk3C/view?usp=sharing>
3. Newton Raphson Method
https://drive.google.com/file/d/1Qsey8_5l-G8G-nyprcCeC1IONRA0IGhv/view?usp=sharing
4. Fixed Point Method
<https://drive.google.com/file/d/1skBLLU8O98jAniqgRReAGOID0H-xUAFf/view?usp=sharing>
5. Method of false positions
https://drive.google.com/file/d/1duuvnk8DwY4bKz2stfA5hhVXM6Rj5Xq_/view?usp=sharing

Notes

6. Finding roots of polynomial equations
<https://egyankosh.ac.in/bitstream/123456789/18070/1/Unit-4.pdf>

Questions for practice

<https://drive.google.com/file/d/1IdoFnKIKJaaWY9AiN3UErKRGD2R6fzK1/view?usp=sharing>

References

1. C. M. Gerald and P. O. Wheatley, Applied Numerical Analysis, 4th edition (1990).
2. S. S. Sastry, Introductory Methods of Numerical Analysis, 3rd edition (2000).