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## Finite Difference, Finite Element And Finite Volume ...

PDEs Vrushali A. Bokil Bokilv@math.oregonstate.edu And Nathan L. Gibson Gibsonn@math.oregonstate.edu Department Of Mathematics Oregon State University Corvallis, OR DOE Multiscale Summer School June 30, 2007 Multiscale Summer School Œ P. 1 2th, 2024

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Young's Modulus Of The Beam Is 10<sup>5</sup>. There Is A Load Of 100 Acting In The -y Direction At The Right End Of The Beam. The Maximum Deflection Of The Beam Is

-0.6791 At L=100. While For The Analytical Solution, So The Maximum Deflection Is -0.67906, Which Agrees W 4th, 2024

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