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Then there exists a point $c \in [a, b]$ such that $g(c) = c$. The point c is a fixed point of $g(x)$. The theorem is

demonstrated in Figure 2.1. Since the interval $[a,b]$ is mapped to itself, the continuity of $g(x)$ implies that it must intersect the line x in the interval $[a,b]$ at least once.

Introduction to Numerical Analysis - University Of Maryland

CS321 Introduction to Numerical Methods Lecture 1 Number Representations and Errors Professor Jun Zhang Department of Computer Science University of Kentucky Lexington, KY 40506-0633 August 25, 2017. Number in Different Bases ... Single precision IEEE standard floating-point format

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elementary scientific computation including understanding how some of the best numerical software works. We devote a chapter to each of seven topics: • A brief introduction to Matlab. • Computer arithmetic based on the IEEE 754 standard, and its effects on scientific computing

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