MIT (Fall 2002)    18.385

Third Problem Set

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Suggested Readings (textbook): Chapters 6-7.
Suggested Problems (textbook):
    Ch. 6: 6.3.10  6.3.11  6.5.8   6.5.13  6.6.3   6.8.7
    Ch. 7: 7.1.9   7.2.5   7.2.7   7.2.16
    Note: Part b of 6.5.13 is actually wrong. Figure out what actually
        happens when epsilon < 0.
    Note: For 6.8.7 you will need index theory, but it will not be
        enough. Dulac's criterion (for example) will also be needed.

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Problems to hand in for grading (textbook)
    Ch. 6: 6.3.13  6.3.16  6.5.7   6.5.19  6.8.9
    Ch. 7: 7.2.6

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NOTE: you can use the MatLab® scripts:
        PHPLdemoA, PHPLdemoB, PHPLplot or PHPLplot_v2
with the problems requiring computer plotting.

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