POLITECNICO DI MILANO - SEDE DI COMO

MODEL IDENTIFICATION AND ADAPTIVE SYSTEMS

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Answer the following questions:

1) Discuss the difference between recursive and adaptive identification methods.

2) With reference to narrowband noise feedforward active noise control system, describe the waveform synthesis algorithm and discuss its limitations.

3) Describe the steady-state Kalman predictor.

4) Illustrate the nonlinear estimation problem when the input-output relationship is static.

Instructions:

- Report your name and identification number on the top right corner of the first page.

- Use separate pages for answers to different questions (one page for each question).

- Books, course slides, notes are not allowed.