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1 Digital Control System A digital control system model can be viewed from different perspectives including control algorithm, computer program, conversion between analog and digital domains, system performance etc. One of the most important aspects is the sampling process level. In continuous time control systems, all the system variables ...

Module1: IntroductiontoDigitalControl LectureNote1

output $v(t)$ of the system. Therefore, we must use an inverse transform to obtain $v(t)$ from $Y(z)$. We may obtain the output by (1) expanding $Y(z)$ in a power series. (2) expanding $Y(z)$ into partial fractions and using Table 13.1 to obtain the inverse of each term. or (3) obtaining the inverse z-transform by an inversion integral. We will

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Digital Control Systems Analysis and Design is appropriate for a one semester/two-quarter senior-level course in digital or discrete-time controls. It is also a suitable reference for practicing engineers. This best-selling text places emphasis on the practical aspects of designing and implementing digital control systems.

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