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in practice we control or influence behaviour by continuously manipulating or choosing the system input we introduce simple engineering techniques for ensuring this control is effective and delivers the behaviour we want including common control structures such as pid

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the purpose of dynamics is to study how time and force act on a mechanism while the purpose of controls is to study how a system should respond to errors and disturbances at this point we have described how to reason about the positions of robots and how to generate continuous paths

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