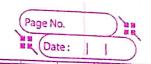
Interoduction

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1 Torocking/servo problem: Find the imput that down the system Dutput to closely follow a time varying reference signal.

* Robustness

A Control system is probust when it is insensitive to model uncertainities?

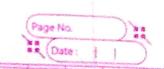
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* Loop tonarsfer functions

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distrobacciós.



=> A performant controller minimizes the enome between oreference and Plant output:

$$E = 9n - M = \left(1 - \frac{PCF}{1 + PC}\right)9n + \left(\frac{-P}{1 + PC}\right)d + \left(\frac{PC}{1 + PC}\right)M$$

$$\frac{1}{S(s)} = \frac{1}{1+PC} \quad k \quad T(s) = \frac{PC}{1+PC}$$

1 Sensitivity =
$$S(s) = \frac{1}{1 + P(s)(b)}$$

How does distinbance effet

