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$$d) \frac{\theta_o}{\theta_i} = \frac{G_1 G_2}{1 + G_1 G_2 H}$$

$$= \frac{(5 \times 0.25)}{1 + (5 \times 0.25 \times 0.15)}$$

$$\therefore \frac{\theta_o}{\theta_i} = 1.053 \text{ mm/v}$$

- e) • Speed control of a conveyor belt
• Temperature control of a brewing process

