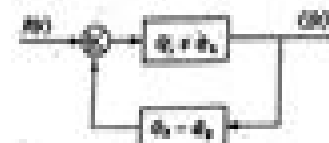


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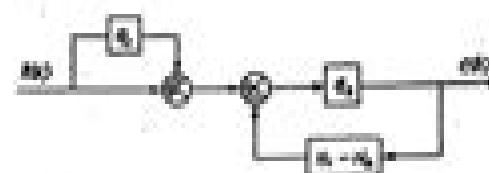
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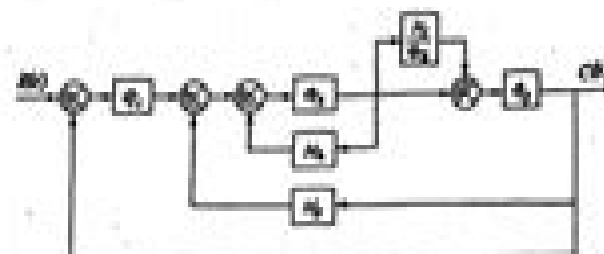


$$\frac{G_1}{G_2} = \frac{G_1 + G_3}{1 + (G_1 + G_3)(G_2 - G_3)}$$



$$\frac{d\alpha_1}{d\alpha_2} = \frac{(1 + \alpha_2) d_2}{1 + \alpha_2 (N_2 - \alpha_2)}$$

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# Modern Control Engineering Ogata 5th Solution Manual

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