2.00 1233 - Inkodo

Block Diagram

$$\frac{R(S)}{R(S)} = \frac{G(S)}{F(S)} = \frac{G(S)}{F(S)$$

$$\frac{\gamma(s)}{r(s)} = \frac{\varsigma(s)}{(+ \varsigma(s))}$$

0

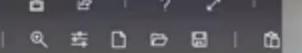
III\

0

a

R

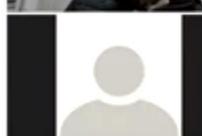


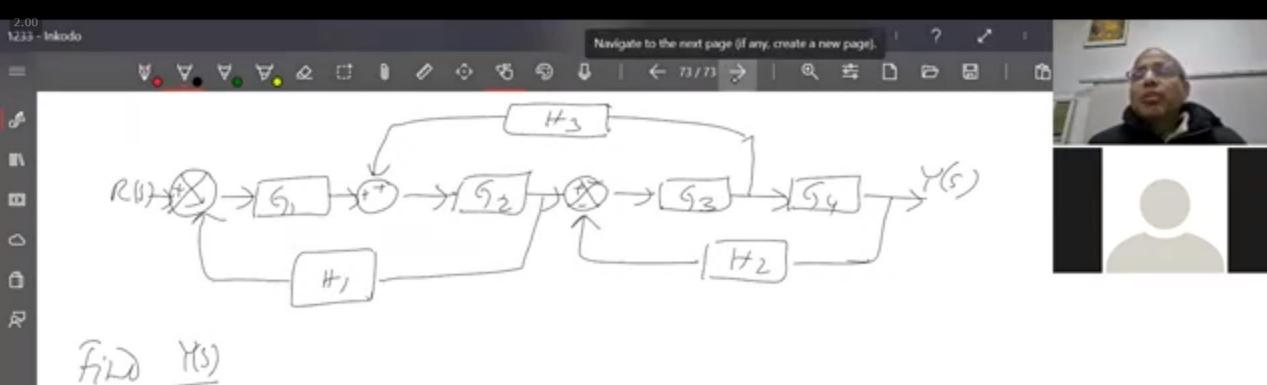


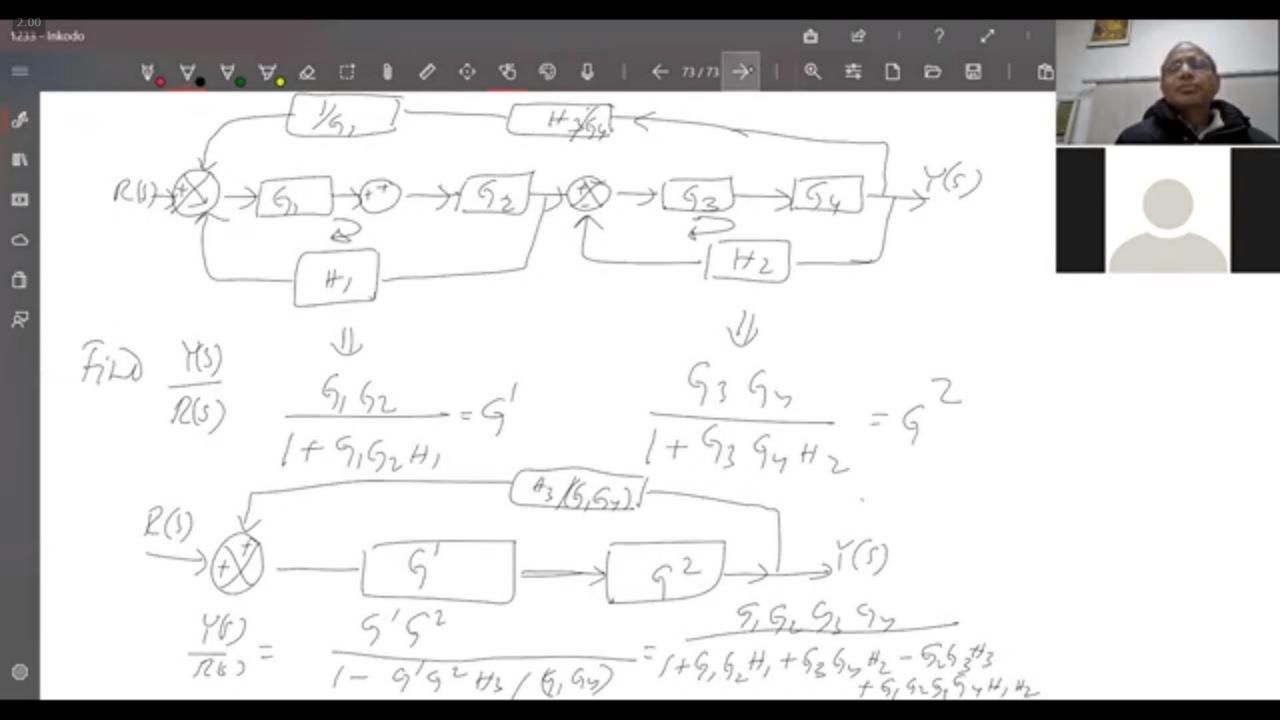












5 Dolett Signal Flow Graph + Tinteger forward path gain forward gath zain 1 - lost paix - 9 2 - Roof Sain - 27 3 - ROOF gain - 20

Mason's gain formula MK = gain of the 10th forward path D = 1- (mn of all look sains) + mm of product of all
possible comes of two not touching - man of gridad of all possible Cox 2.00 1215 - Inkodo

DK = The D for that part of SFG that is non touching KER forward path

$$\frac{Y(5)}{P(5)} = \frac{\frac{3}{53} \times 1}{(-\frac{2}{5^{2}} - \frac{2}{5^{2}})} \times \frac{1}{(-\frac{2}{5^{3}} - \frac{2}{5^{3}})} \times \frac{1}{(+\frac{9}{5^{2}} + \frac{2}{5^{2}})} \times \frac{1}{(+\frac{9}{5^{2}} + \frac{2}{5^{2}} + \frac{2}{5^{2}} + \frac{2}{5^{2}})} \times \frac{1}{(+\frac{9}{5^{2}} + \frac{2}{5^{2}} + \frac{2}{5^{2}} + \frac{2}{5^{2}})} \times \frac{1}{(+\frac{9}{5^{2}} + \frac{2}{5^{2}} + \frac{2}{5^{2}} + \frac{2}{5^{2}} + \frac{2}{5^{2}} + \frac{2}{5^{2}})}{(+\frac{9}{5^{2}} + \frac{2}{5^{2}} + \frac{2}{5^{2}} + \frac{2}{5^{2}} + \frac{2}{5^{2}})} \times \frac{1}{(+\frac{9}{5^{2}} + \frac{2}{5^{2}} + \frac{2}{5^{2}} + \frac{2}{5^{2}} + \frac{2}{5^{2}})}{(+\frac{9}{5^{2}} + \frac{2}{5^{2}} \times \frac{1}{(+\frac{9}{5^{2}} + \frac{2}{5^{2}} + \frac{2}{5^{2}} + \frac{2}{5^{2}} + \frac{2}{5^{2}} + \frac{2}{5^{2}} + \frac{2}{5^{2}} \times \frac{1}{$$



