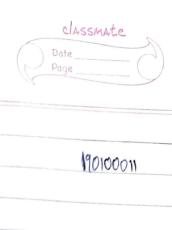


$$\frac{1}{2} = \frac{1}{2} = \frac{1$$

Case II: == => 5= == - Wa = - Wa

Qo = kgi Wa x



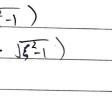
Home work: ME 226

Partial fractions.

92.

=> A(5-5,)(5-52) + B5(5-52) + (5(5-51) = 0

 $\frac{1}{5(6^{2}+2\xi w_{n}6+w_{n}^{2})} = \frac{A+B}{5} + \frac{C}{5-6}$



$$\frac{1}{\sqrt{\xi^2-1}}$$

$$Q_{0} = \frac{1}{2} \frac{1}$$

let, Ø= 41m (J1-62)

sind = 1- 82

11-52 (B(Mt) + & sin(mt) = sin (mt + Ø)

90 = kga [1 - e-sunt x sin (51-52 hunt + 6)