

GIVEN Diagram

= - 3 & rad/s

FIND: Ys, as

SOLVE:

FOTOTING April at C

0 = -32 x 0.08 (cos-40 (+ sin 40)) + Vs

$$V_s = -3\hat{k} * (-0.06131 + 0.5143)$$

$$V_s = (0.15421 + 0.1843) **1s$$

で = の + 立 v Vc/A + 立 x (元 + 下c/A) + 2 元 v Vs + の

0 = で v 下 M o + で x (で v 下 M o) + o + で x (で x 下c/A) + 2 で x Vs + as

0 = -3 に x (-5 に x (-0.0 いる で + 0.0 に 4 で)) - 3 に x (-3 に x (-0.1787 を -0.0 に 4 で)) + as

+ 2 (-3 に x (0.1542 で + 0.184 で)) + as

 $\overline{Q} = -0.4240\hat{1} + 0.5522 + 1.6082 + 0.4246 - 0.95 \hat{1} + 1.1042$ $\overline{Q} = \left(3.202 - 0.96 \hat{1}\right) \text{ M/s}$