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operates on the
error signal θ_w
 $- \theta_T$, and as
the fantail
turns, it drives
the turret to
turn. $x \ y \ Wind \ *$
 $* \ q_W \ q_T \ q_F$
Fantail Turret =
Wind angle =
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Turret angle q_W
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to keep a car at
a given relative
position offset
from a lead car:
Throttle.

Position of
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time for the
beam Distance to
subject Lens
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Conversion factor (speed of light or sound)

Emitter/

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24. CHAPTER 2.

E2.4.

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Models of

Systems. Since

$R(s) = 1/s$, we

have. $Y(s) =$

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$$\frac{6(s + 50)}{(s + 30)(s + 10)} \cdot s(s + 10)$$

The partial
fraction

expansion of Y
 (s) is given by
 $A_1 A_2 A_3 Y (s) =$
 $+ + s s \dots$

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~~in Figure E2.13.~~

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fluid that
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