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16 || Intro to Feed

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Control : Future

Challenges,

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Systems Model

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~~Control - A~~

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~~and closed Loop~~

~~Control, Adaptive~~

~~Control with example~~

~~Self Tuning Regulator~~

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CHAPTER 1.

1.5 Linearization of the
valve shows that
 $\dot{v} = 4v^3 \dot{u}$.

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method used by a
controller which must

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Control to a controlled
system with

parameters which

vary, or are initially

uncertain. For

example, as an

aircraft flies, its mass

will slowly decrease

as a result of fuel

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$[T(t)(\tilde{t} + 1)]$

(3.161) and the

parameter adaptation
algorithm satisfying
the passivity condition
will take the form: $\hat{t}(t+1) = \hat{t}(t) + F(t)(t+1)$
(3.162) The equivalent
feedback

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representation
associated with the
output error predictor
using the above PAA
is shown in Fig. 3.9.

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control theory in a

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adaptive methods,
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techniques and
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