## AUTOMATIC FLIGHT CONTROL

## System stability:

Routh-Hurwitz criterion:

 $a?_0?^{?} + ?_1 s^n - 1 + \cdots$ 

0 1				1/x.	
STEP 1:				,000	
Arrange the all coefficient of equation in 2 rows					
Row 1	?0	?2	?4	all odd position	
Row 2	?1	?3	?5	all even positions	
From these 2 rows form a 3rd row					
Step 2:					
Row 1	?0		?2	?4	all odd position
Row 2	?1		?3	?5	all even positions
Row 3	?1	,	??	??	
Where: ? $_{?} = -\frac{?}{??}$ ??? ? $_{2} = \frac{?}{??}$ ??? ? $_{2} = \frac{?}{??}$ ??? ? $_{2} = \frac{?}{??}$ ???	? ???? ???????????????????????????????				

After solving the equation we will estimate the stability of control systems.

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