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(57) Abstract :
The present disclosure pertains to a system to facilitate stabilization of an unmanned aerial vehicle (UAV) (102). The system (100) includes a UAV (102) and a control station (104), where the UAV (102) includes a set of load cells (102-1) configured with one or more motors of one or more arms of the UAV (102), where the set of load cells (102-1) are configured to sense thrust associated with the one or more motors. The controller (104-2) is configured to extract the load parameters from the thrust and display the load parameters on the mobile computing device (104-1). The controller (104-2) is configured to receive a set of input signals from the mobile computing device (104-1) based on the displayed load parameters and transmit a set of control signals to the one or more motors and the PID controller (102-2) based on the received set of input signals

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