



QUADROTORS UNMANNED AERIAL VEHICLES: A REVIEW

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Abstract- Quadrotors are Vertical Take-Off and Landing aerial vehicles with many potential applications ranging from mapping to supporting rescue operations. This paper aims to provide an overview on various works carried out on the quadrotor, from the perspective of control and dynamic modelling. Also in this paper, based on the information summarized from 160 researches available, different control targets and flight missions are analysed and classified, and according to it, a general flight mission map is introduced. In addition, history of advances in development of quadrotors and set-ups proposed when performing experimental researches on quadrotors is presented.

Index terms: Quadrotor, review, history of advances, dynamic modelling, assumptions, control, flight missions, setup.