

systems it is necessary to utilize a known bias algorithm. This necessitates the development of multiple antenna common oscillator GPS receivers, in this paper a bias algorithm is presented using low cost MEMs sensors, the results are very encouraging.

Furthermore, the attitude estimation is independent of the body's inertia. The numerical simulations have showed the effectiveness of the proposed methodologies and their robustness with respect to sensors noise and far initial points.

Moreover, the simplicity of the methodology makes it suitable for embedded implementation. This control estimation will be tested in real time application

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