自調式比例導引律

The purpose of this paper is to develop and investigate the pure proportional navigation missile guidance law. Numerical examples show that letting proportional coefficient be a constant is not a good choice. Some literatures used optimal control method to obtain a proportional coefficient, but the information required is more than just line of sight angle and angle rate and the load of calculation is heavy [11,13]. To solve this question we suggest a heuristic adaptive proportional navigation guidance law. In spite of the method have not driven strictly. But the results of numerical analysis indicate that the method made missile use proper acceleration command and energy to intercept target.