

ABSTRACT

Colour object tracking (COT) is one of discussed topic on computer vision. COT Technology very usefull for daily live including survilance system . Then, a technique that can fix response system in transient and steady state is required, thus the system can follow the object movement. In this study PID control is used to control the movement with 2 degree of freedom with addition Ziegler Nichols tunning method. The system produce overshoot respond under 20% with the value of rise time and settling time under 1 second in the detection area of camera.

Keywords : computer vision, colour object tracking, PID controller, ziegler-nichols