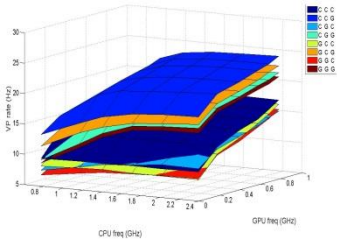Offline
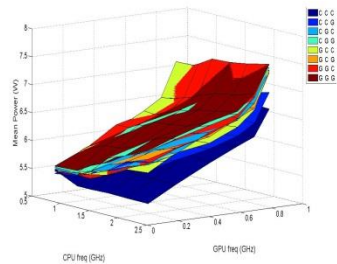
Online

Supervisor

$$\alpha(t) = f(x_v(t), x_m(t))$$

$$max_{\sigma, Fc, Fg}\alpha(t)T(\sigma, F_c, F_g) + (1 - \alpha(t))/P(\sigma, F_c, F_g)$$

Profiling

Throughput

Power

σ, Fc, Fg

$x_v(t), x_m(t)$

Vanishing point with hardware optimizations

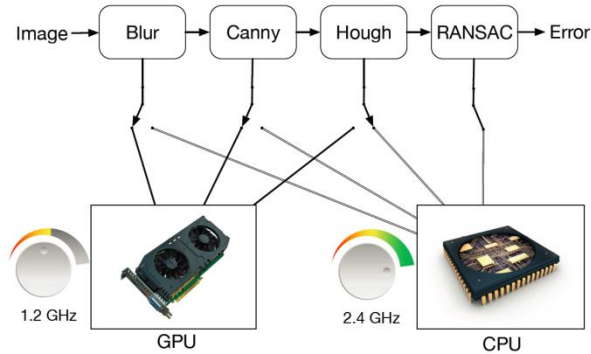Image → Blur → Canny → Hough → RANSAC → Error

1.2 GHz
GPU

2.4 GHz
CPU

Image from Camera

Physical System

$x_v(t), x_m(t)$

Controller

$\omega(t)$