Offline

Online

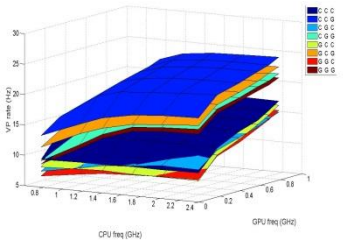
Supervisor

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

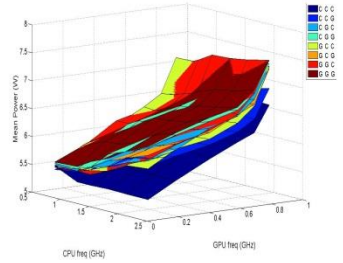
$$max_{\sigma, Fc, Fg} \alpha(t)T(\sigma, F_c, F_g) + (1 - \alpha(t))/P(\sigma, F_c, F_g)$$

Profiling

Throughput



Power



σ, F_c, F_g

$x_v(t), x_m(t)$

Vanishing point with hardware optimizations

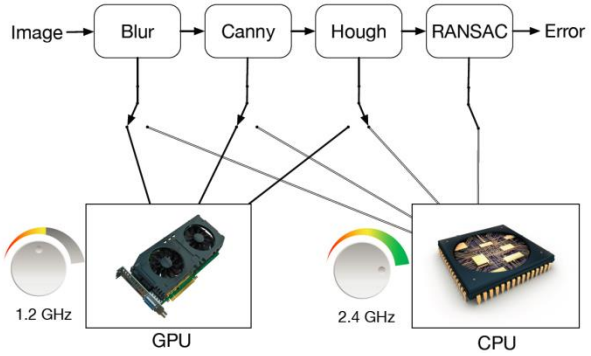


Image from Camera

Vehicle

$x_v(t), x_m(t)$

Controller

$\omega(t)$