

# 感受nano 算力

了解 cuda作用 VisionWorks 框架的应用场景

# cuda 示例

- cuda 默认安装目录: /usr/local/cuda/
- 通常可以把 cuda 加入到 系统路径
- export CUDA\_HOME=/usr/local/cuda
- export PATH=/usr/local/cuda/bin:\$PATH
- export LD\_LIBRARY\_PATH=/usr/local/cuda/lib64/:\$LD\_LIBRARY\_PATH

# 查看 cuda demo

- `/usr/local/cuda/samples/`
- `/usr/local/cuda/samples/5_Simulations/fluidsGL`
- `/usr/local/cuda/samples/5_Simulations/smokeParticles`

# VisionWorks 示例查看

- 安装编译示例：

- `cd /usr/share/visionworks/sources/`
- `sudo ./install-samples.sh ~/`
- `cd ~/VisionWorks-1.6-Samples`
- `sudo make -j4`

- 查看示例：

- `~/VisionWorks-1.6-Samples/bin/aarch64/linux/release`
- `./nvx_demo_feature_tracker`      特征追踪 (Feature Tracking)
- `./nvx_demo_hough_transform`      霍夫转换 (Hough Transform)
- `./nvx_demo_motion_estimation`      方向预测 (Motion Estimation)
- `./nvx_demo_video_stabilizer`      视频防抖 (Video Stabilizer)