Augmented Reality

by AR Inc.

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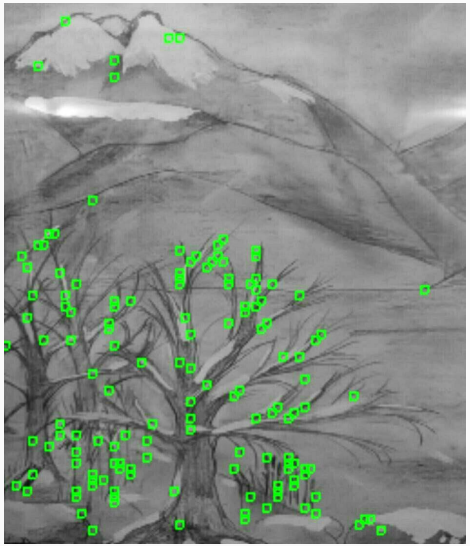
PML 30

Concept

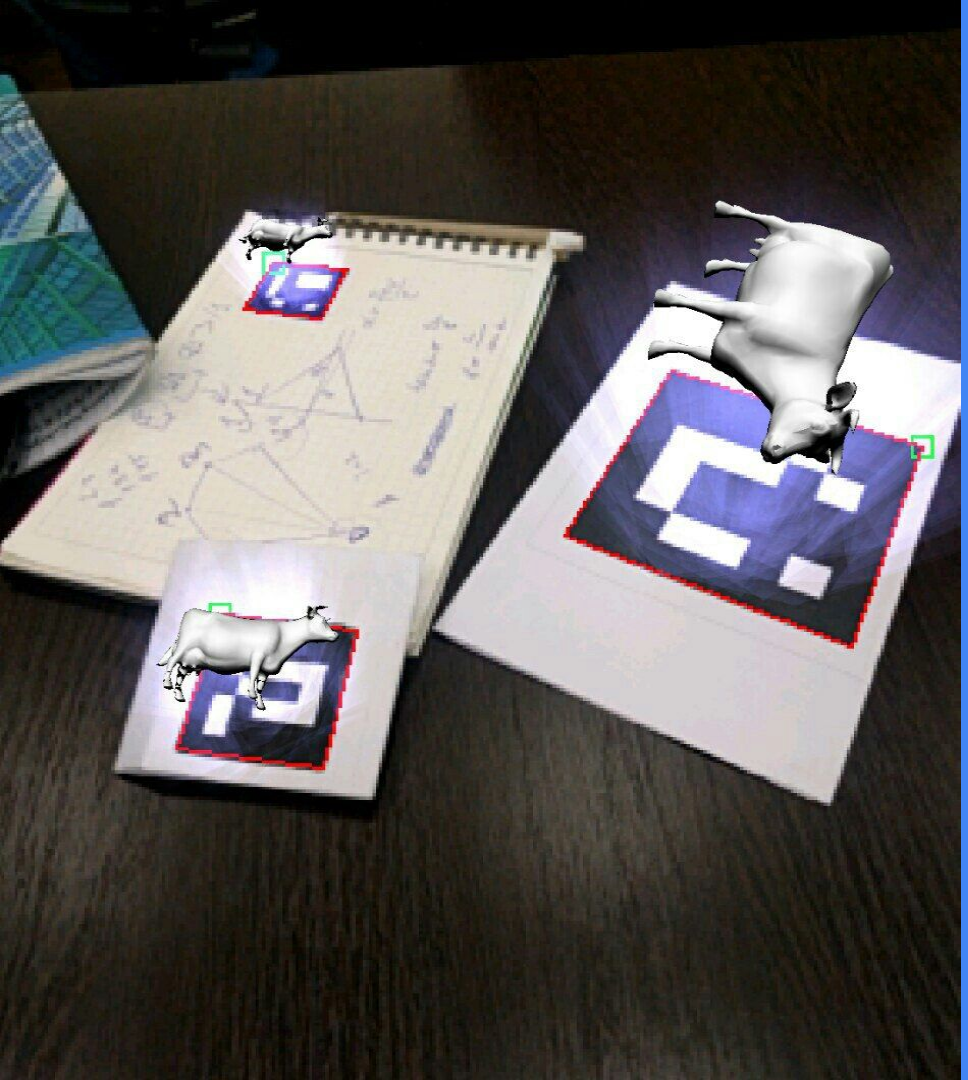
Algorithm we using is based on tracking feature points and their further movement.

It has 2 base stages:

- In Lock In Stage it tries to find most stable feature points
- In Tracking Stage it will track movement of feature points, to calculate object position in screen.

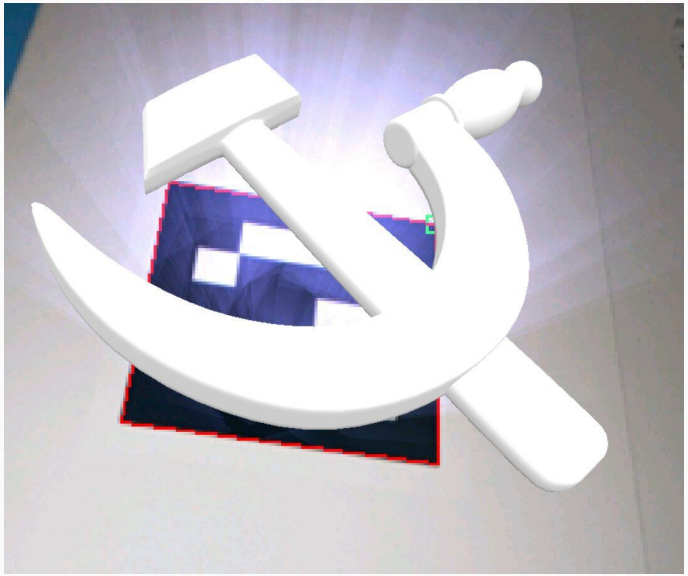


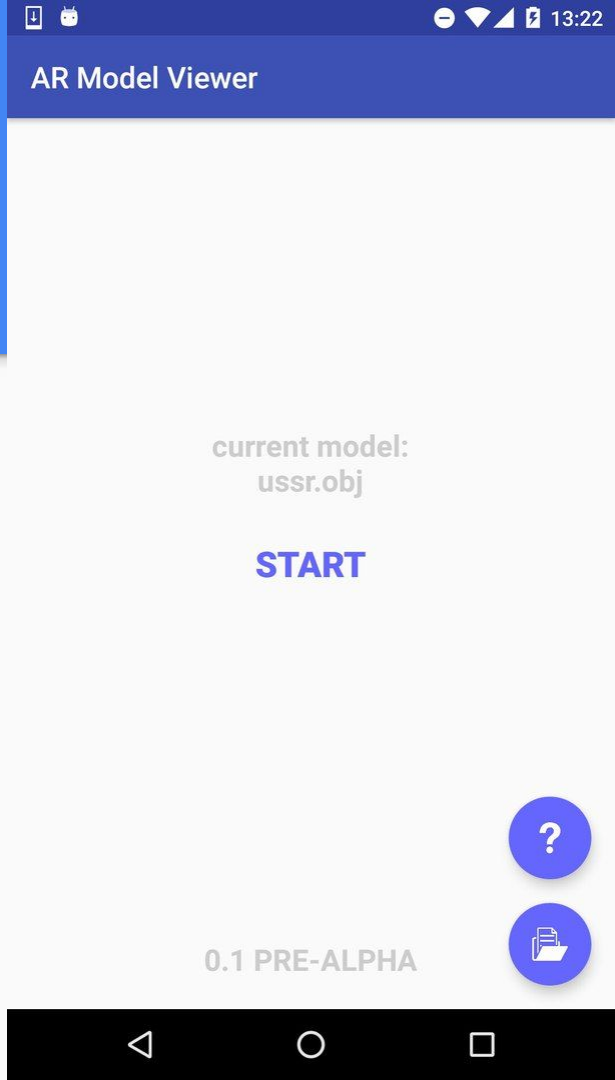
feature points tracked in lock-in stage

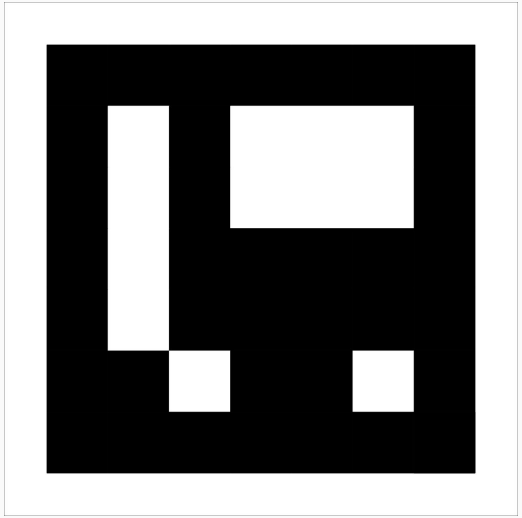


Example

Current Result







ARuco marker #322

Lessons learnt

As expected our team learned how to make programs in groups via Github. Now we can do android applications.

Something new:

- OpenCV
- ARuco
- OpenGL ES 2.0

Thanks For Your Attention

https://github.com/zheka2304/ARProg