

Augmented Reality

by AR Inc.

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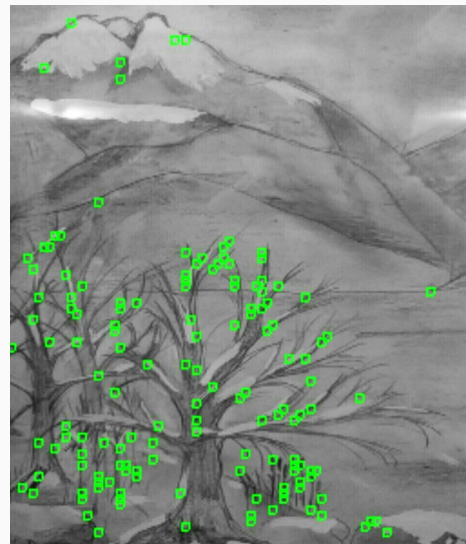
PML 30

Concept

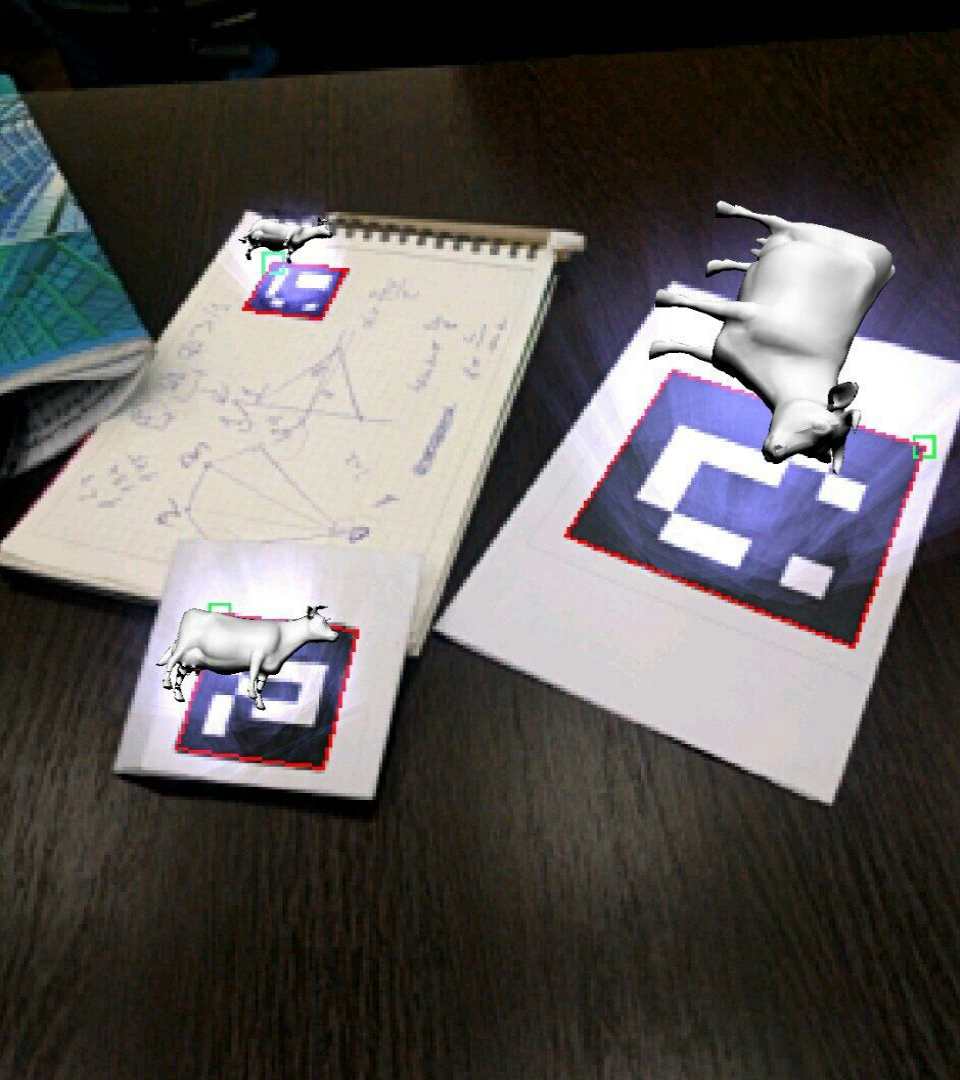
Algorithm we using is based on tracking feature points and their further movement.

It has 2 base stages:

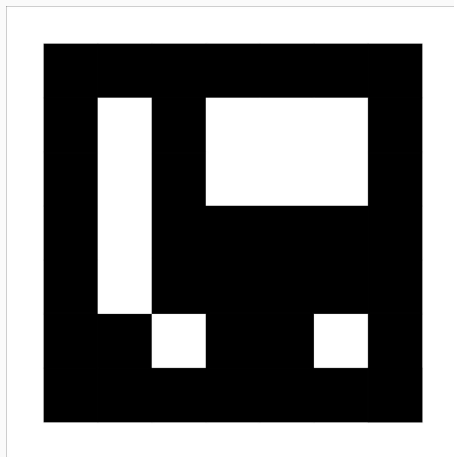
- In Lock In Stage it tries to find most stable feature points
- In Tracking Stage it will track movement of feature points, to calculate object position in screen.



feature points tracked in
lock-in stage



Example



Current Result



AR Model Viewer

current model:
ussr.obj

START

0.1 PRE-ALPHA

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Lessons Learnt

As expected our team learnt how to make programs in groups via Github. Now we can do any android application.

Something new:

- OpenCV
- ARuco
- OpenGL ES 2.0

Thanks For Your Attention

<https://github.com/zheka2304/ARProg>