

DESY Summer Student Project 2018

Ralitsa Mancheva

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Zeuthen



Personal information (the useless kind)

- Born in Sofia, Bulgaria
- 3rd year bachelor in physics at Sofia University
- Primary interests: nuclear physics, particle physics, cats



СОФИЙСКИ
УНИВЕРСИТЕТ
СВ. КЛИМЕНТ
ОХРИДСКИ

Personal information (the useful kind)

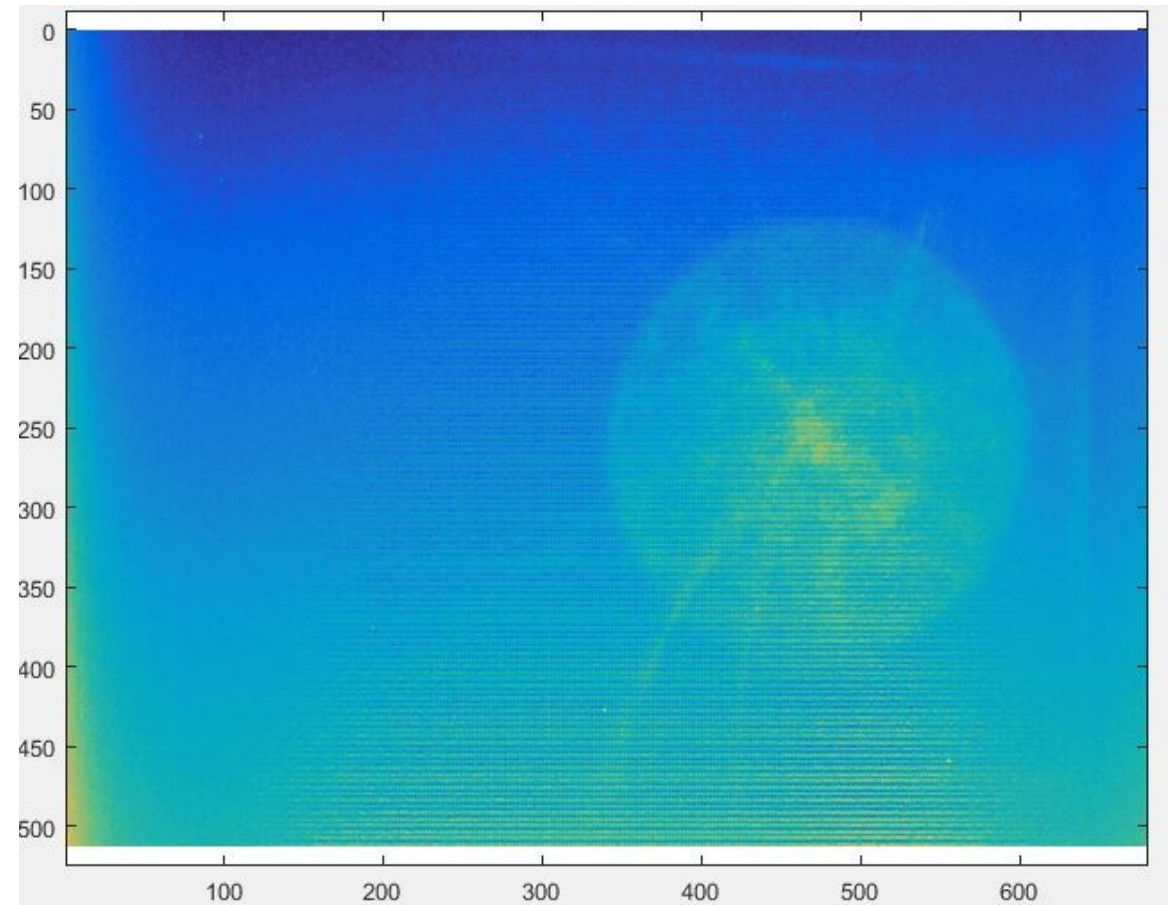
ACHIEVEMENTS UNLOCKED:

- Reciting pi to 50 decimal places
- Over 3000 hours of watching TV shows
- Rock climbing (Level 5/10)
- Yoga (Level 6/10)
- Salsa dancing (Level > 9000)
- Karaoke master
- Getting paid to do physics (Level 0.000000001 of 10)

My project at DESY

Tasks:

- Collect data from a few cameras (1000 frames per camera)
- Analyze the frames on
 - flicking rate
 - FFT of flickering frames (intensity of stripes)
 - FFT of a regular frame
 - background level analysis
 - background slope
- Check all parameters vs gain vs exposure vs temperature(time after switch on) vs signal strength
- Create a script that will check all the cameras
- Develop cameras check DataBase



My other projects at DESY



Thank you