



Introduction to Mechanical Engineering, HW CAD REN 1

Render

Short Task Description



Description: Make a static picture and kinematics render of the assembly

Artifacts: Zip archive with NX details files (.prt) + rendered picture (.png) (resolution — min 2K) + rendered video (.avi or .mp4)

Extended Task Description



Input files: the resulting assembly from *HWs/HW_CAD_ASM2*. If you have not added a robot leg, do it.

1. **Assign materials and colors** for each component of assembly based on your own sense of beauty.
2. Choose some scene and **render a photorealistic scene**. Try to reduce noise as much as possible. Make a minimal picture resolution — 2K.
3. Make a scene in *Animation Designer* and based on it — **make a rendered video**. It will take a long time to calculate, so either be prepared to wait, or choose not realistic settings.

Deserve "A" grade!

– Oleg Bulichev

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📍 @Lupasic

🏢 Room 105 (Underground robotics lab)