

Mechanical technology:

CAD modelling

A.A. 2023-2024

Modelling software (some)

- **Solidworks:**

<https://www.solidworks.com/it/support/community-download#no-back>



- **(Autodesk) Fusion or Inventor Pro:**

<https://www.autodesk.com/education/edu-software/overview?sorting=featured&filters=individual>



- **Onshape:**

<https://www.onshape.com/en/education/>



Modelling basic functions (some)

- **Functional Modeling**
- Sketches and constraints (rectangle)
- Fillets
- Function and element tree
- Snap (magnets for the center)
- Concentric circles and offsets
- Viewing windows (isometric view, Reference system)
- Extrusion function
- Extruded cut and guided hole creation
- Mirroring
- Boolean difference
- Drafting



Thank you

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