User Manual

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This is a test version and may have bugs.

Step 1

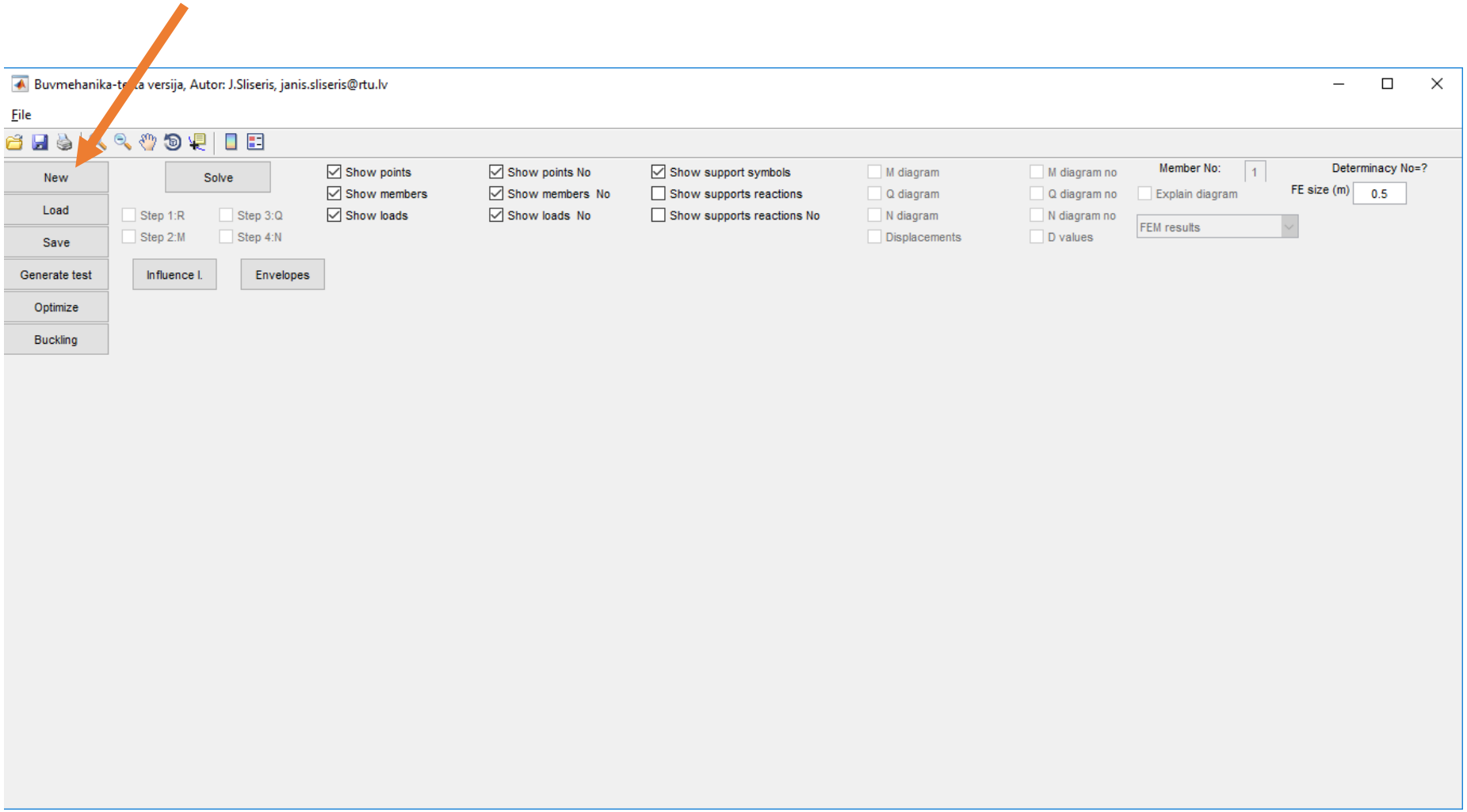
Install Software

Minimal requirements:

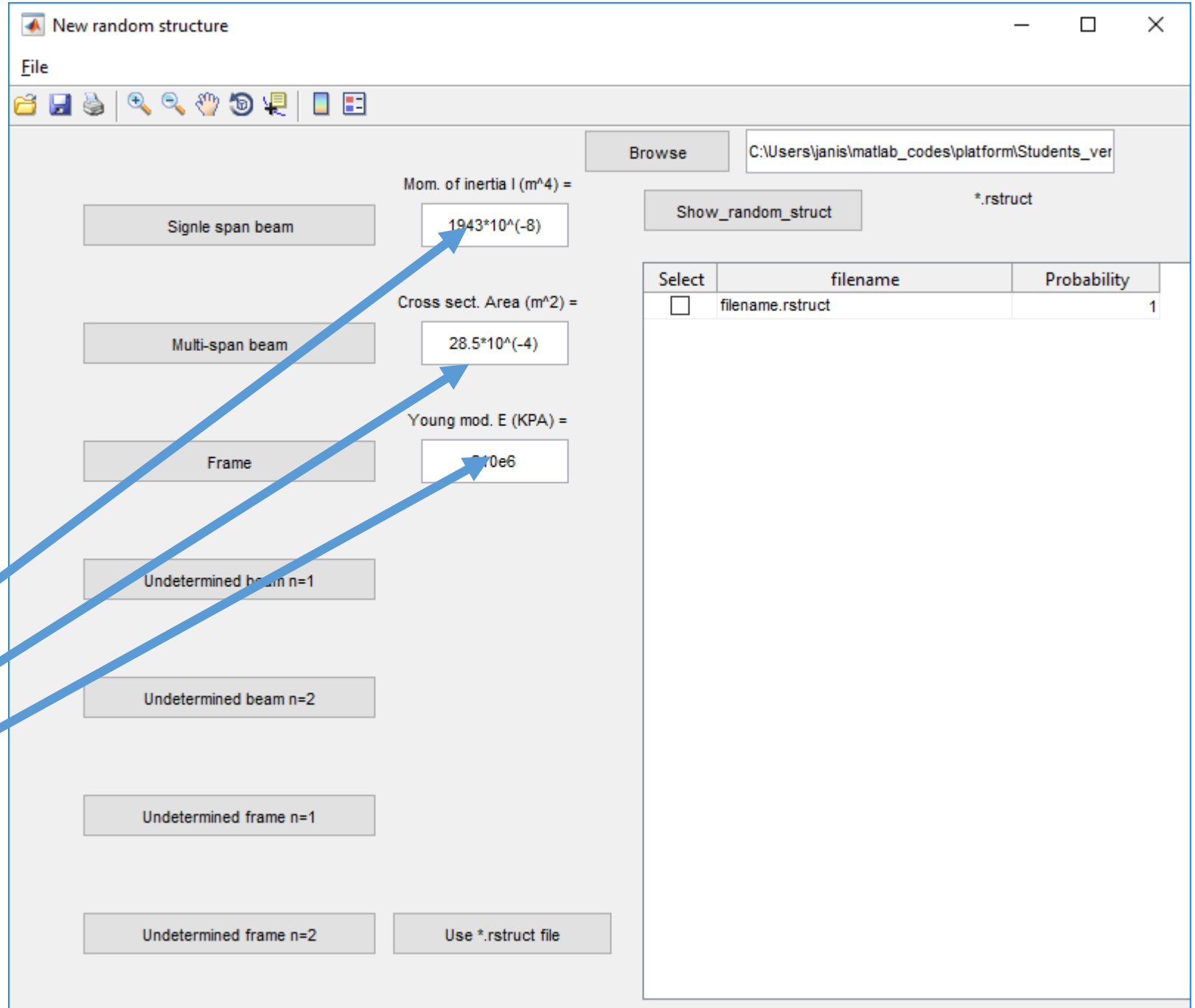
64 bit Windows.

It is compilled and tested on 64 bit Windows 10.

Step 2: Open software (SW) and press «New»

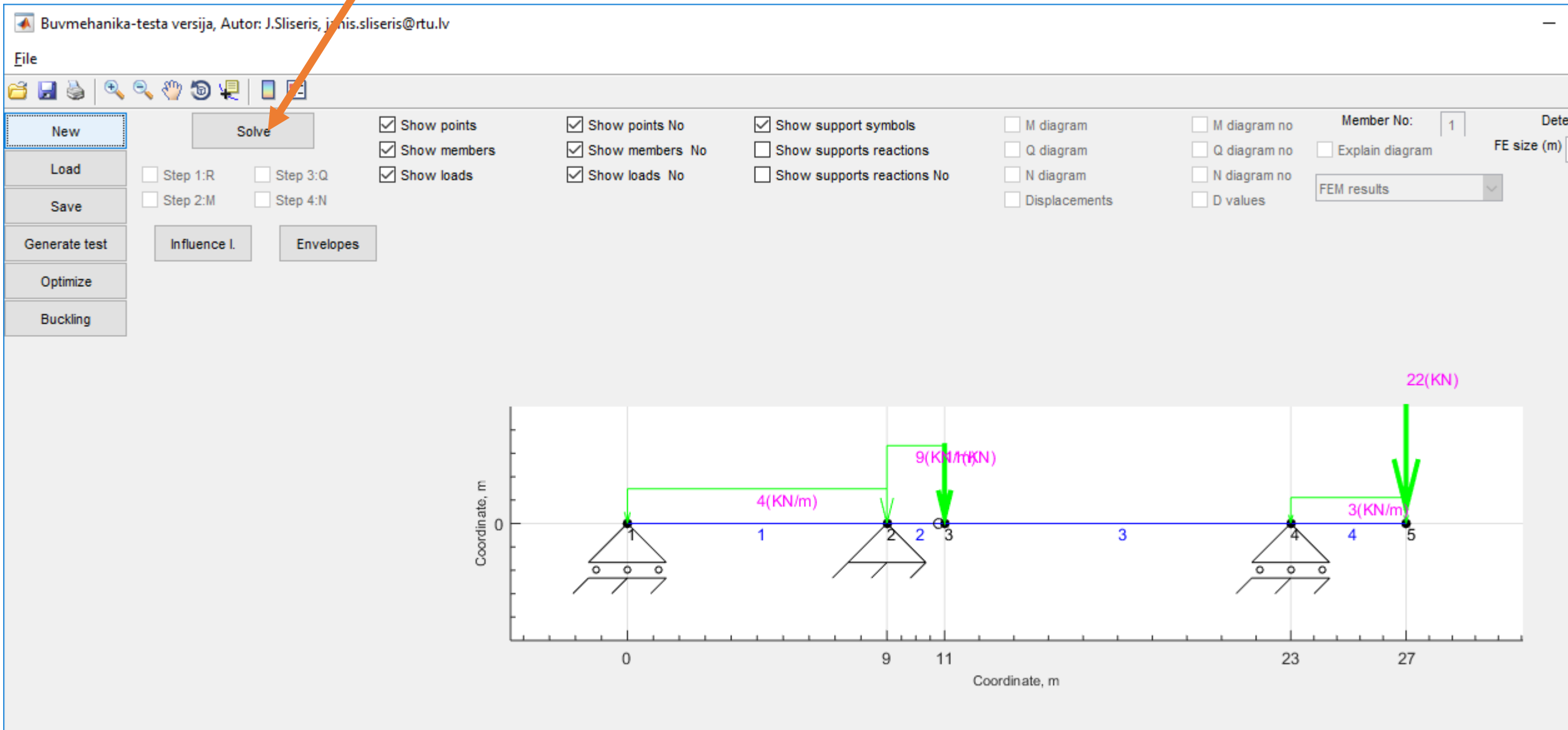


Step 3: Choose the structure



If the deflection calculation is necessary then cross section parameters and modulus of elasticity E should be specified

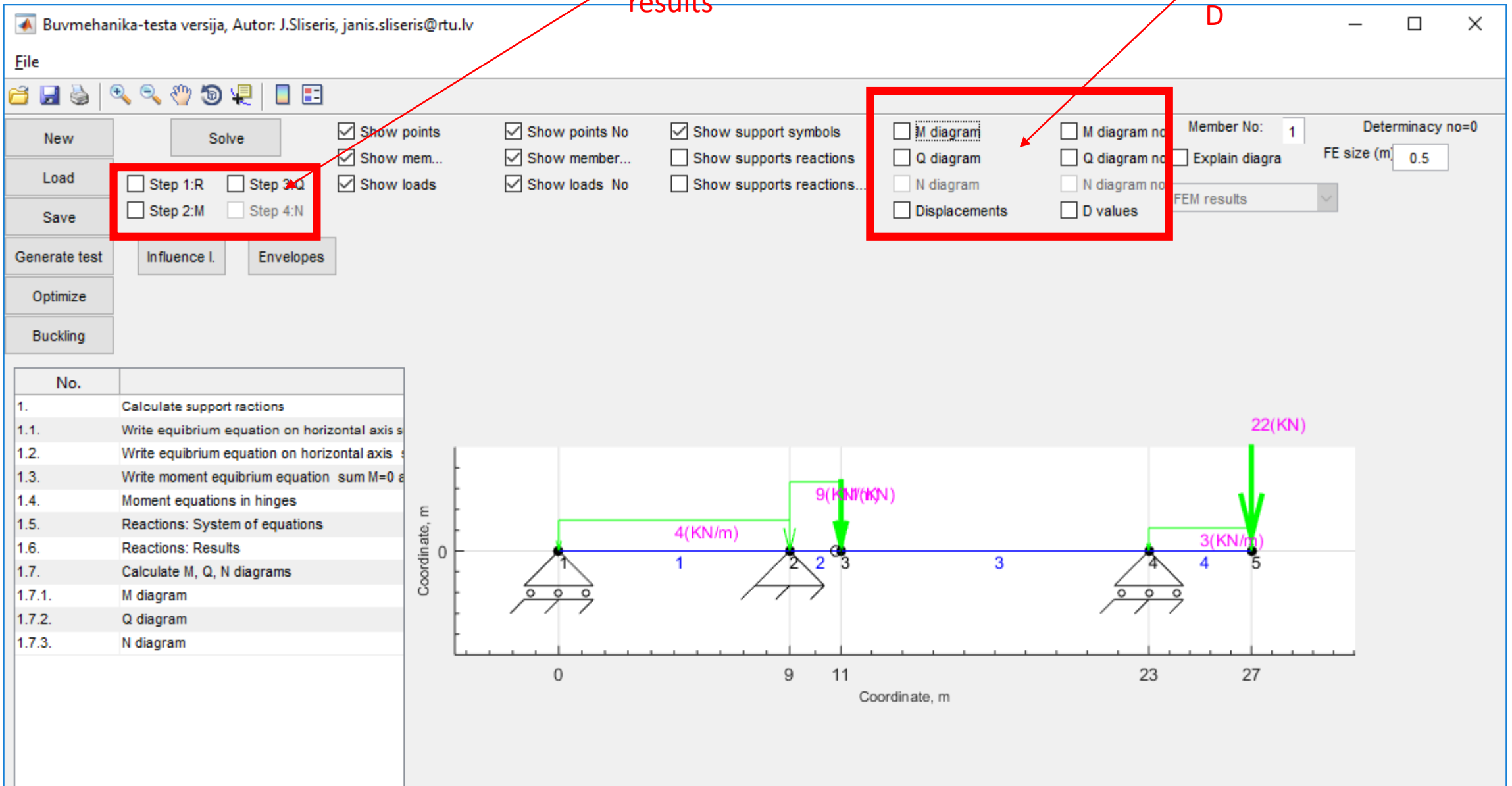
Step 4: Calcualte the structure by pressing «Solve»



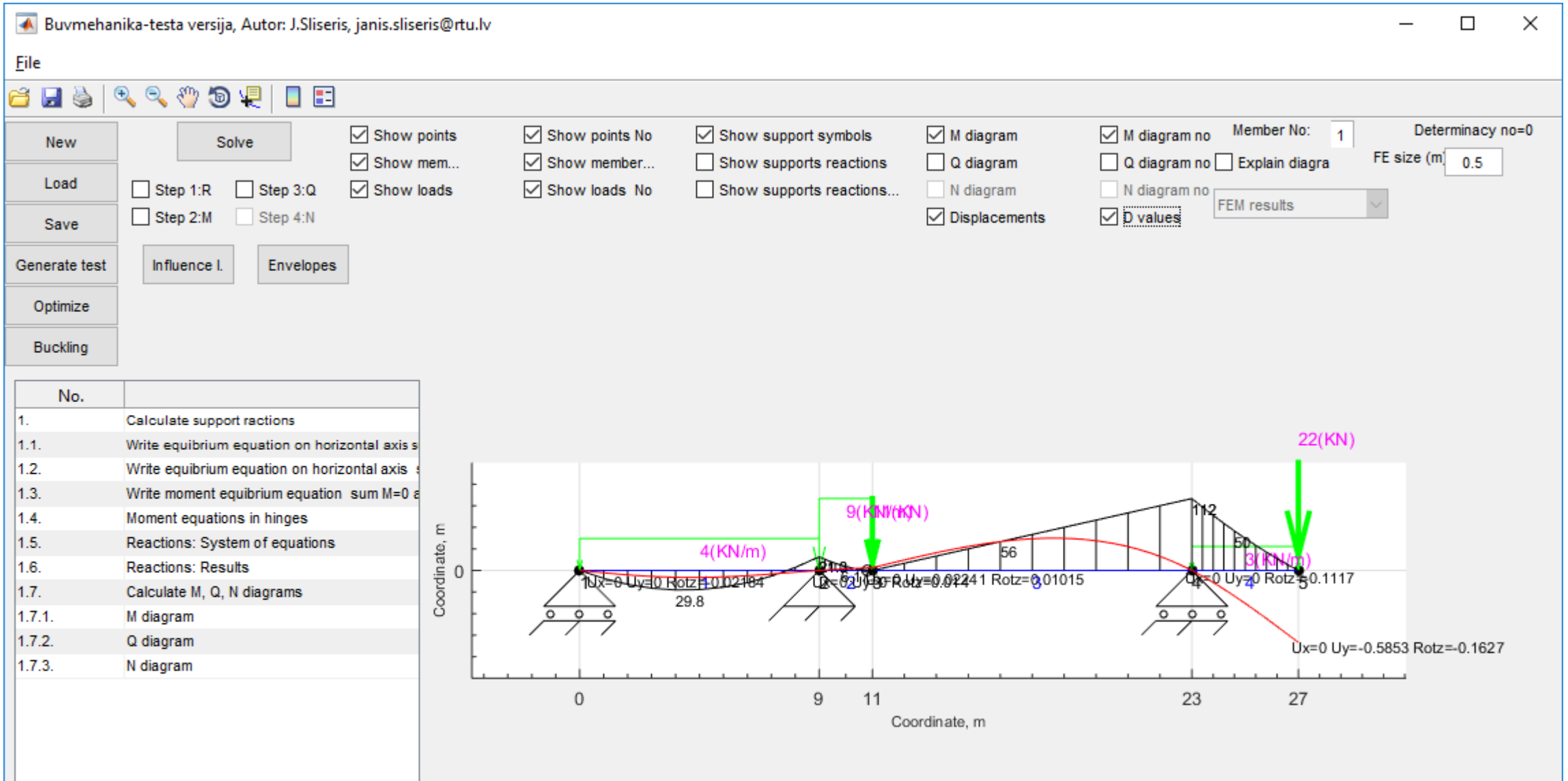
Step 5: Look on results

Analytical solution results

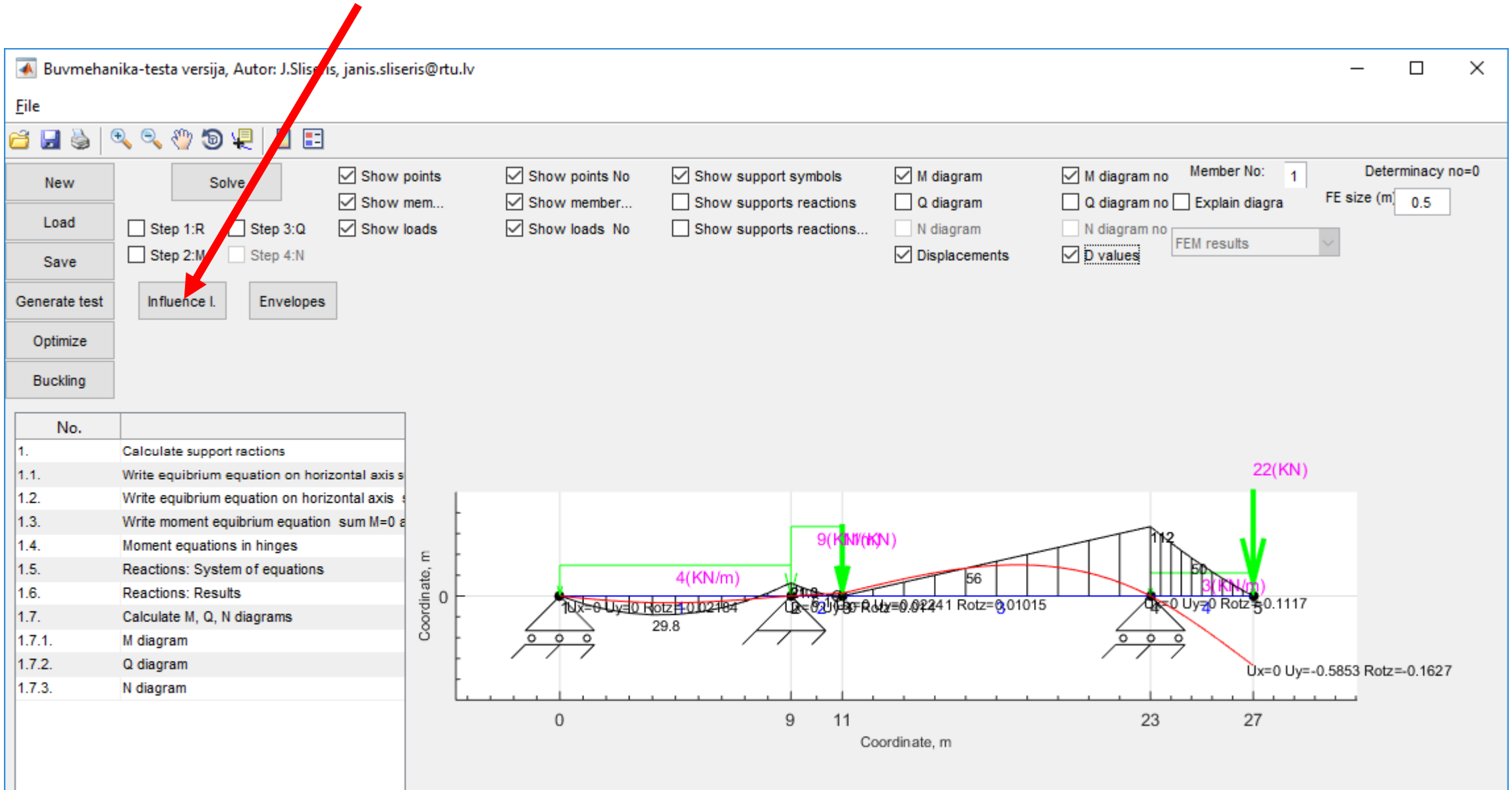
Diagrams for M, Q, N and deformed shape D



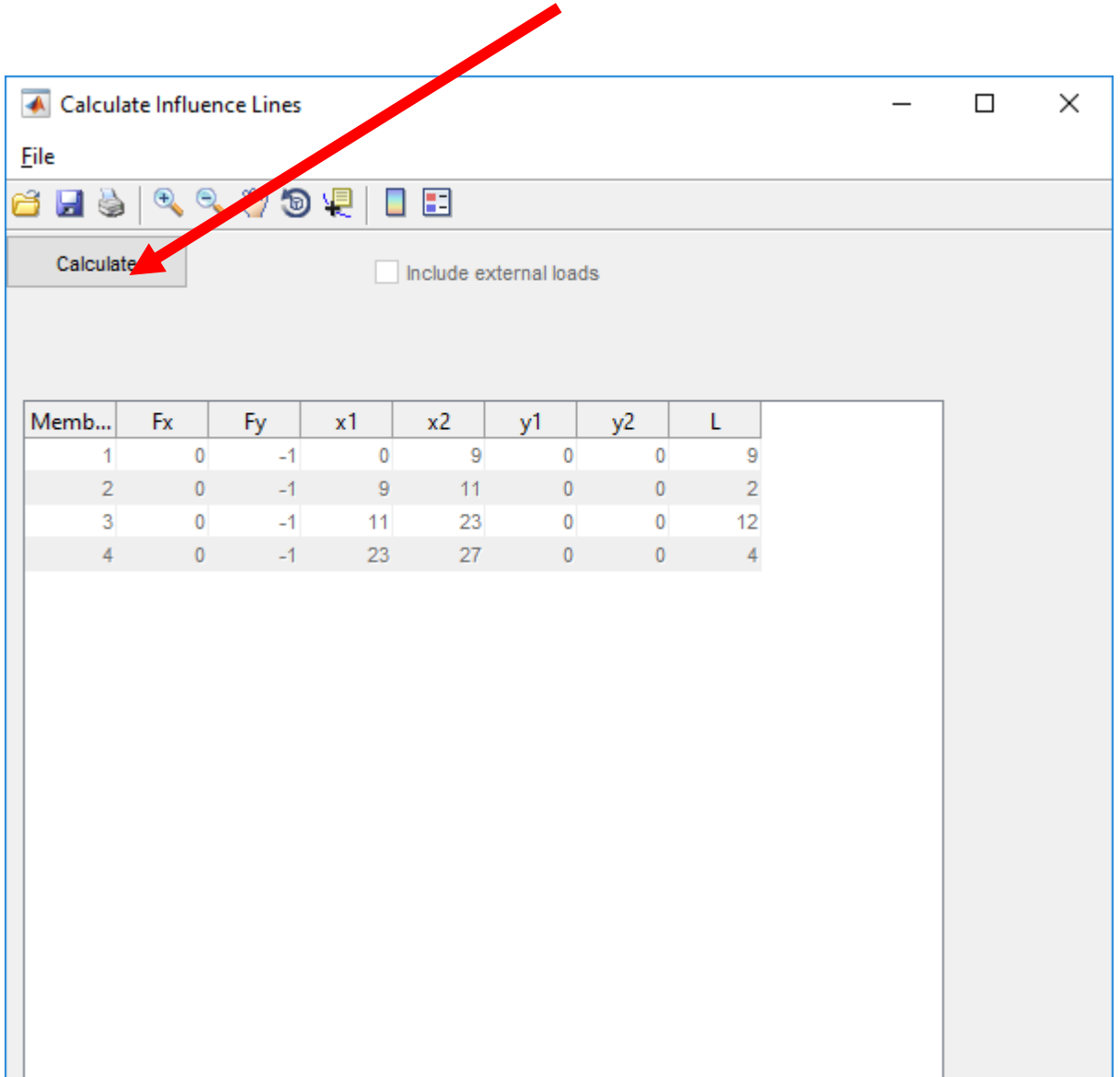
Step5.1: Look on results and compare with own calculations (some small differences <5% my be)



Step 6: Calculate influence lines



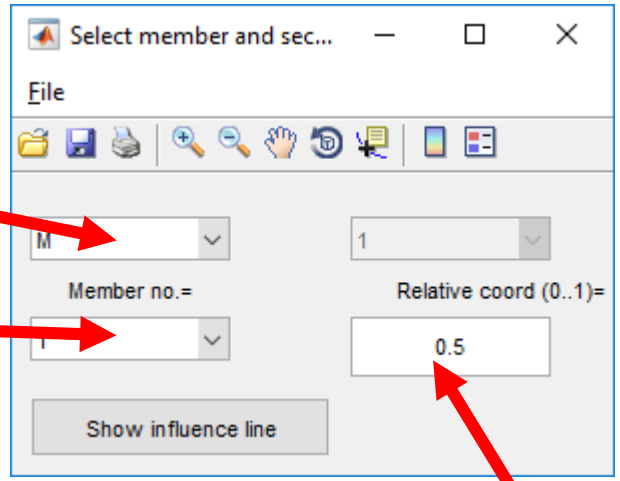
Step 6.1: Calculate values of influence lines



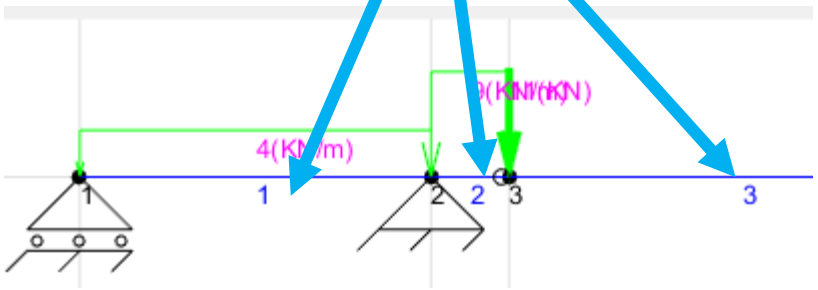
Step 6.2: Choose necessary section where to show inlfluence lines. Choose M or Q.

M- Influelnce line for bending moment, Q- for shear force

Specify the number of bar

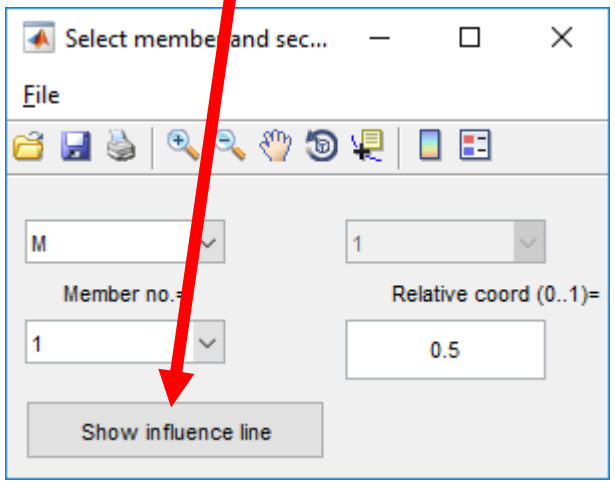


Bar numbers: 1,2,3



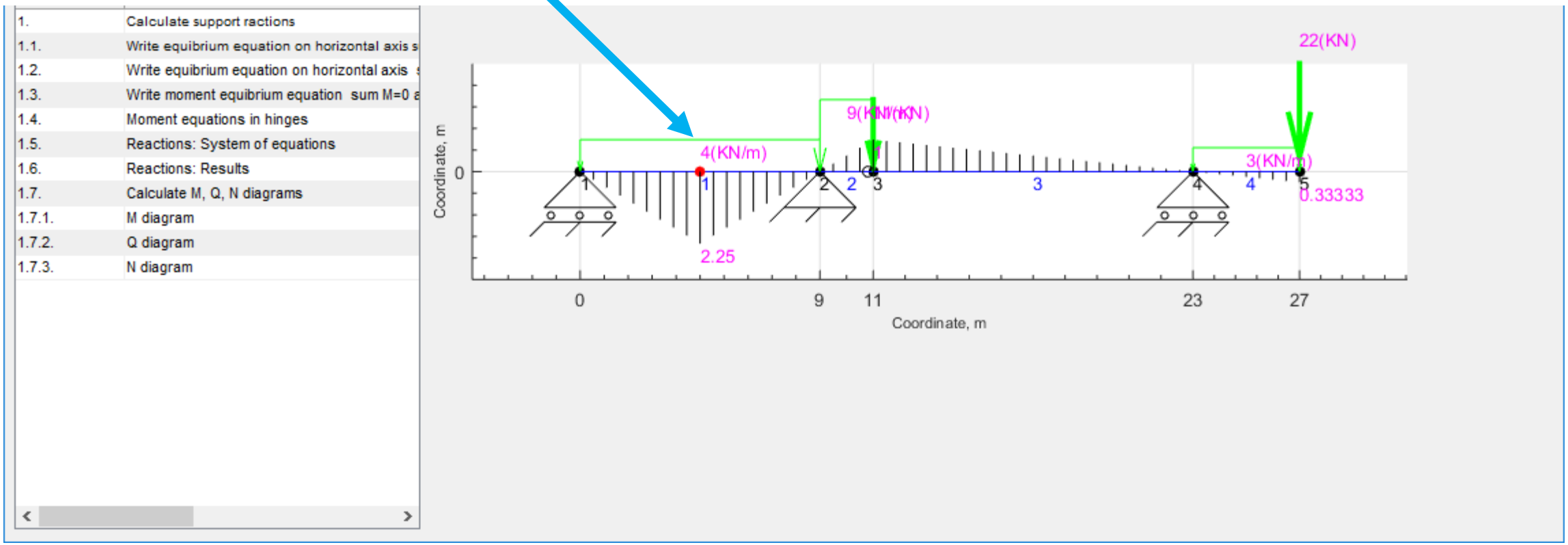
Relative coordinate on bar- 0- begining of bar, 0.5- middle, 1- end of bar

Step 6.3: Show the influence lines



Step 6.4: Compare results with own calculations

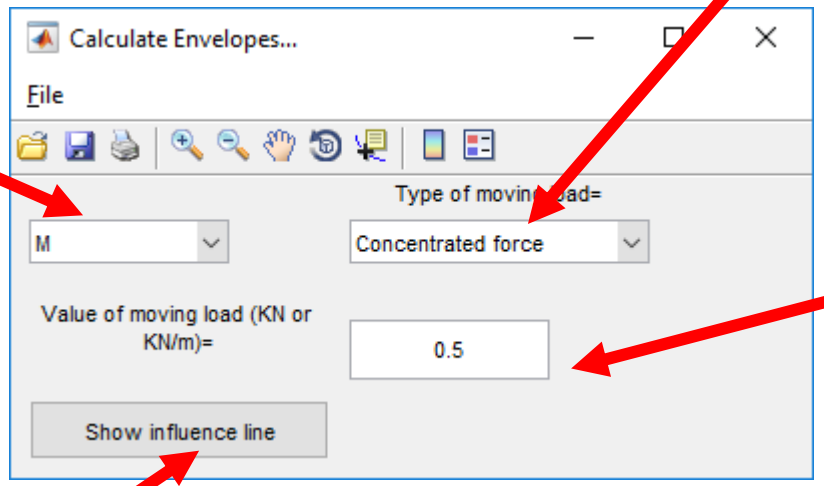
Red dot indicate the point for which influence line is calculated



Ste 7: Calcualte envelopes

Type of moving load

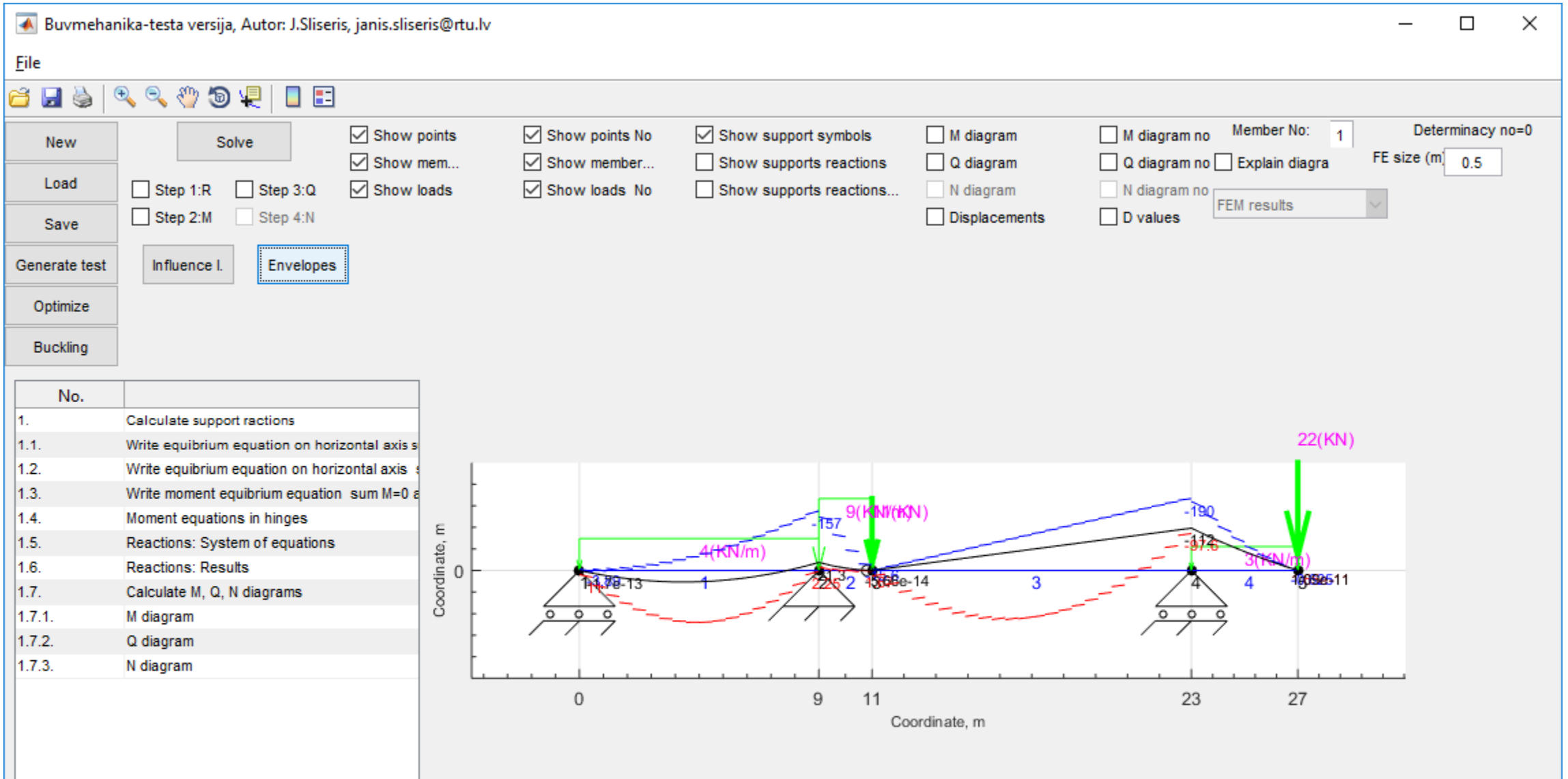
Type of envelope (M- moment, Q- shear force)



Value of moving load

Nospiežam pogu lai aprēķinātu

Step 7.1: Analyse and compare the results



If student has found an error in software behavior plese write and e-mail:
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