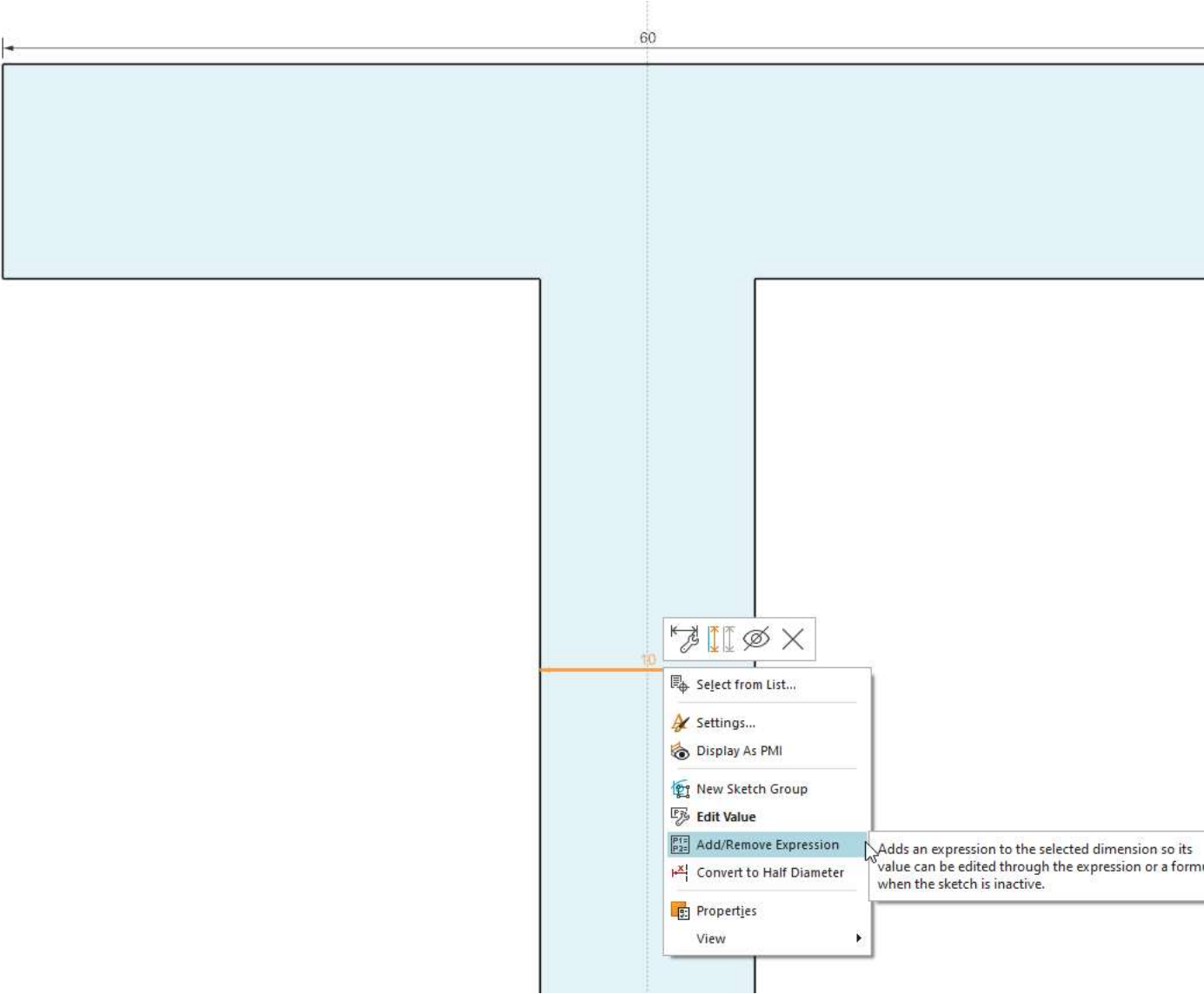


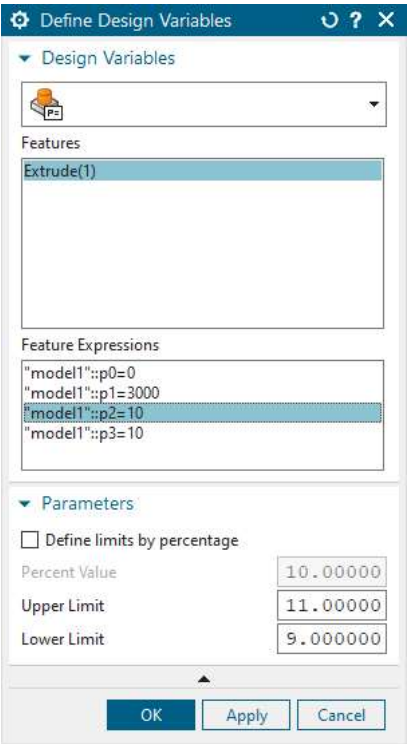
RE: I forgot to do the FEM quiz.

Jaakma Kaur <kaur.jaakma@aalto.fi>  
Wed 10/4/2023 12:09 PM  
To:Nguyen Binh <binh.nguyen@aalto.fi>  
Hi,

you need to define those dimensions (both 10) to be as a expression. So in the sketch, right click the value and select "Add/Remove Expression":



Then you should have them in the list:



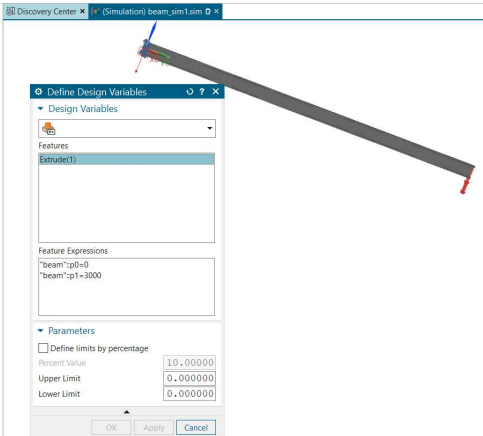
**Kaur Jaakma**  
*University Teacher in CAD/CAE*  
Department of Mechanical Engineering  
Aalto University School of Engineering

**From:** Nguyen Binh <binh.nguyen@aalto.fi>  
**Sent:** keskiviikko 4. lokakuuta 2023 11.44  
**To:** Jaakma Kaur <kaur.jaakma@aalto.fi>  
**Subject:** Re: I forgot to do the FEM quiz.

I have understood. Probably I will ask the TA if they have done instead, as unfortunately none of my members also do the quiz.

However, I also have another question regarding your tutorial slides on FEM. I hope you can look at it because your tutorial slide could be quite old (2016), so latest version could have changed the settings. I am now on Geometry Optimization, and I am stuck at the design variable tab. In the tutorial slide, when you click on Extrude, there are two dimensions 10. However, I have followed yours very carefully but I didn't see any dimension 10 when I click on Extrude(1). I have repeated your tutorial slide 3 times but still the same problem. What have I done wrong, or the latest version of NX has different settings ?

Another member of my group also says she is also stuck at this part like me. So I think that NX could have changed.



And this is your lecture tutorial, page 13.

of them) and give range values as seen in Figure 17. Click **Apply** and give another **10** valued dimension with same limits (5...25) and click **OK**.

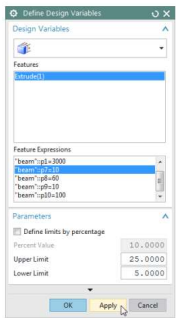


Figure 17: First *Design Variable* defined. This case dimension named as p7.

I hope you could help us how to solve this dimension geometry optimization problem, please  
BR, Binh

**From:** Jaakma Kaur <[kaur.jaakma@aalto.fi](mailto:kaur.jaakma@aalto.fi)>  
**Sent:** Wednesday, October 4, 2023 11:32 AM  
**To:** Nguyen Binh <[binh.nguyen@aalto.fi](mailto:binh.nguyen@aalto.fi)>  
**Subject:** RE: I forgot to do the FEM quiz.

Ok, thanks for the info.

I can only see the visibility setting on my side that tells that there should be right answer visible:

After the quiz is closed

- ☒ The attempt
- ☒ Whether correct
- ☒ Marks
- ☒ Specific feedback
- ☒ General feedback
- ☒ Right answer
- ☒ Overall feedback

But I assume, that this requires the student to submit at least one try.

If one of your group mates have done the quiz, you can ask them to show correct answers.

-----  
**Kaur Jaakma**  
*University Teacher in CAD/CAE*  
Department of Mechanical Engineering  
Aalto University School of Engineering

**From:** Nguyen Binh <[binh.nguyen@aalto.fi](mailto:binh.nguyen@aalto.fi)>  
**Sent:** keskiviikko 4. lokakuuta 2023 11.23  
**To:** Jaakma Kaur <[kaur.jaakma@aalto.fi](mailto:kaur.jaakma@aalto.fi)>  
**Subject:** Re: I forgot to do the FEM quiz.

Hi professor,

Thank you for your reply. I have checked on Mycourse carefully but I didn't see the FEM quiz answers anywhere. May I know where you store the answers? Or have you updated it somewhere? This is my FEM quiz on MyCourses, which does not have any Review button.

# FEM Orienting Quiz

**To do:** Receive a grade**Closed:** Sunday, 1 October 2023, 11:59 PM

A short personal quiz about the core issues in Finite Element Analysis/Method. Must be done during the first d  
1.10. 23:59. 80% to pass.

Grading method: Highest grade

Grade to pass: 8.00 out of 10.00

[Back to the course](#)

Thanks for your consideration  
BR, Binh

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**From:** Jaakma Kaur <[kaur.jaakma@aalto.fi](mailto:kaur.jaakma@aalto.fi)>  
**Sent:** Wednesday, October 4, 2023 10:53 AM  
**To:** Nguyen Binh <[binh.nguyen@aalto.fi](mailto:binh.nguyen@aalto.fi)>  
**Subject:** RE: I forgot to do the FEM quiz.

Hi,

the quiz is not mandatory but highly recommended. The quiz answers are visible, so you can check what there was.

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**Kaur Jaakma**  
*University Teacher in CAD/CAE*  
Department of Mechanical Engineering  
Aalto University School of Engineering

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**From:** Nguyen Binh <[binh.nguyen@aalto.fi](mailto:binh.nguyen@aalto.fi)>  
**Sent:** tiistai 3. lokakuuta 2023 18.02  
**To:** Jaakma Kaur <[kaur.jaakma@aalto.fi](mailto:kaur.jaakma@aalto.fi)>  
**Subject:** I forgot to do the FEM quiz.

Dear professor Kaur Jaakma,

In the past week, my schedule was very hectic. I thought Machine Design has only the report, but it turns out there is also a FEM quiz as well. Now it is closed and I haven't done it. Would you be please kind to open it for me? What would happen if I don't finish the FEM quiz? (will I fail?). I really want to complete this quiz to get its information.

Thank you in advance if you open the quiz for me. My name is Nguyen Xuan Binh, student ID: 887799.

Best regards, Binh  
H