



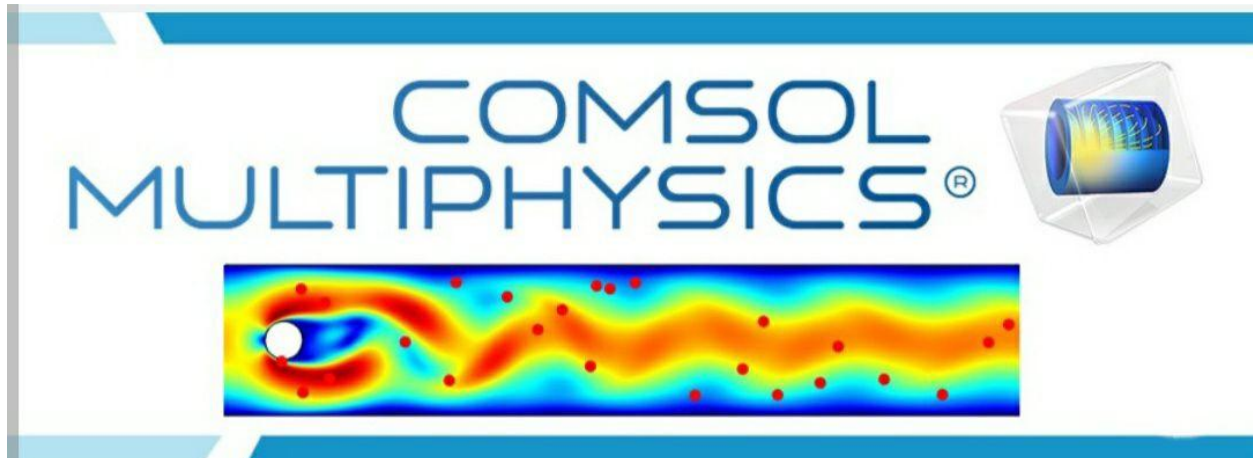
المادة: تطبيقات الحاسوب 3

التدريسي: م.م. ابرار عبد الكريم سعيد

المرحلة: الثالثة

عنوان المحاضرة: المحاضرة الرابعة عشر

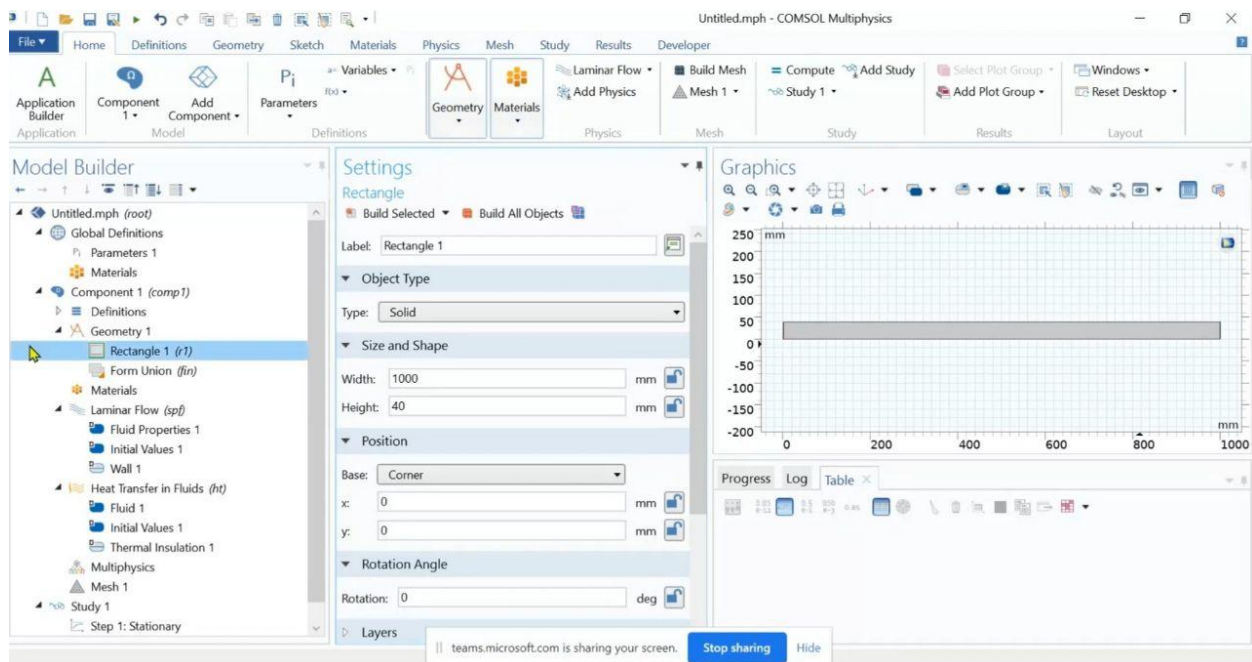
**Types of Physics:** There are so many types of physics that can be applied and calculated in so many fields such as mechanical engineering, chemical engineering, electrical engineering and etc.



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For example one of the most important physics in mechanical engineering is Heat transfer, where it is subdivided into three types:

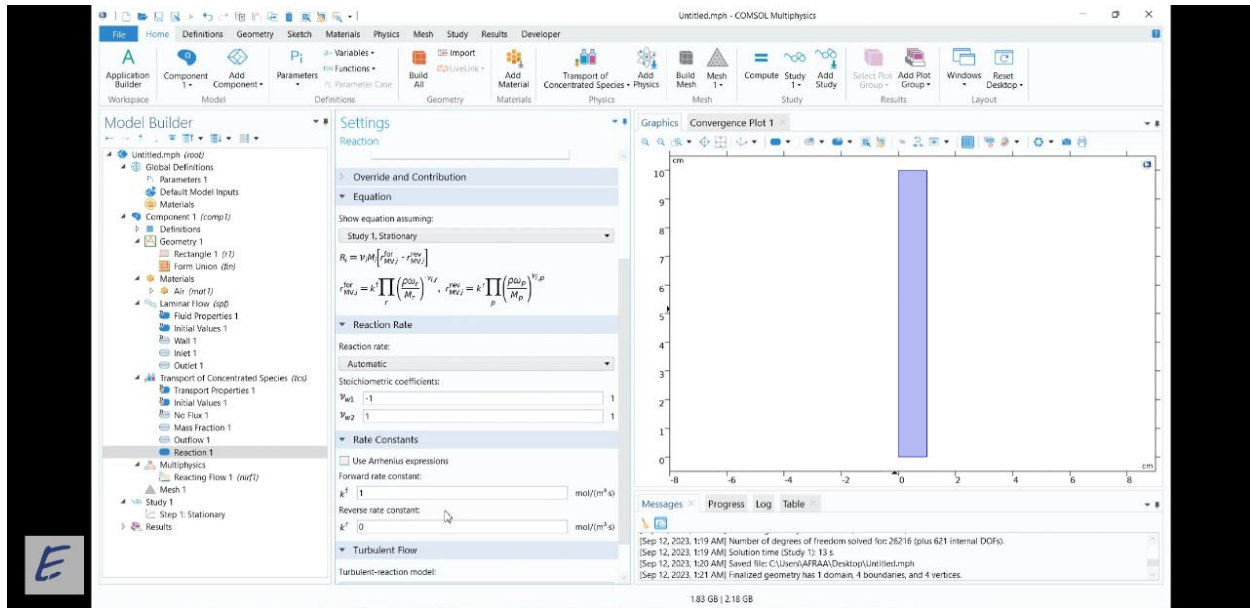
- Heat transfer in solids
- Heat transfer in fluids
- Heat transfer in solids and fluids



Also one of the most important physics in our field is fluid flow, where it is also divided into two types:

- Laminar flow
- Turbulent flow

Also there is a mutual physics between chemical engineering and mechanical engineering which is Reaction physics which represents the chemical reactions:



There is also a special physics here represented by Transport of concentrated species within chemical field:

