Analysis and Project 1 Proposal

As usual, please find your name on the list of today's groups, find your partner(s),[1] seat yourselves comfortably, and read through the rest of this document.

[1] Note that your assigned group for studio today *is your project team.*

Today's Agenda

Today we'll start with Chapter 9, then dive deeper into Project 1!

Analysis

What are some of the new computational tools SymPy gives us that we can use for analysis?
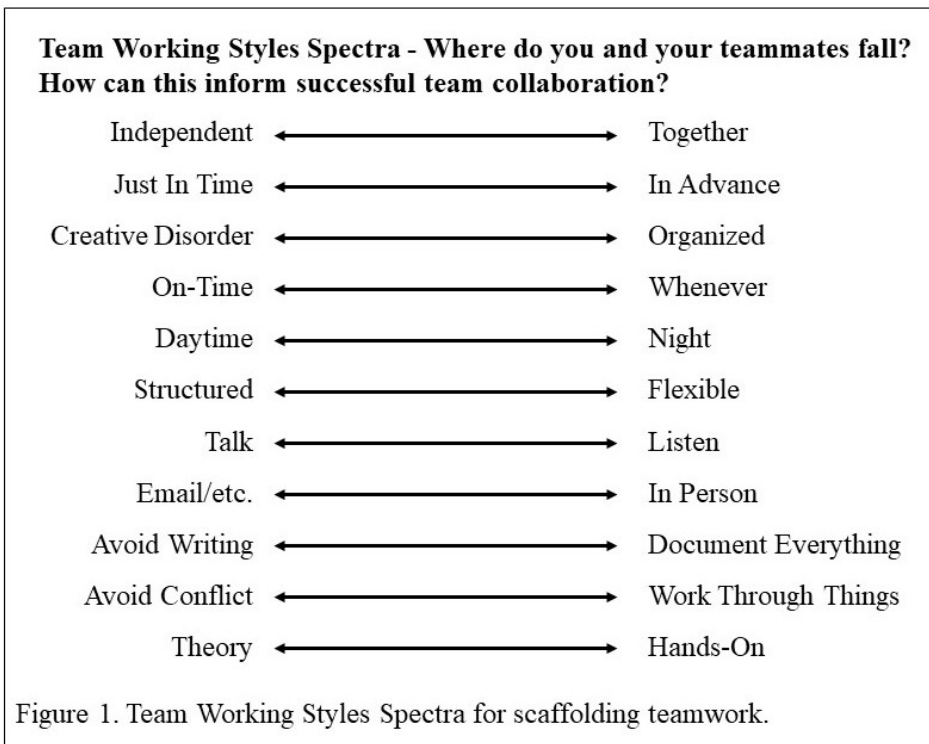
What do we want you to learn about analysis?

...about differential equations?

...about symbolic computation?

Teaming

Before you begin your project work, we want you to make some conscious choices about how you will operate as a team. First, on your own, spend a few minutes completing the Team Working Styles Spectra.[2] Each line shows a spectrum of how you might prefer to work. Place yourself on each spectrum. Be honest.

[2] Original teaming styles spectra credit to Ben Linder.

Team Working Styles Spectra - Where do you and your teammates fall? How can this inform successful team collaboration?

Independent	Together
Just In Time	In Advance
Creative Disorder	Organized
On-Time	Whenever
Daytime	Night
Structured	Flexible
Talk	Listen
Email/etc.	In Person
Avoid Writing	Document Everything
Avoid Conflict	Work Through Things
Theory	Hands-On

Figure 1. Team Working Styles Spectra for scaffolding teamwork.

Once you have completed the spectra individually, spend 10 minutes discussing these as a team and reaching agreements about how you will work together. Where you have different working styles, find compromises that will allow everyone to participate in the project. Even where you agree, make decisions about how you will manage the project together.

Use the space below and on the following page to document your teaming agreement. Be sure to include a plan for team communication and expectations for time spent outside of class.

Project Work

For the remainder of the studio session, you should work with your team to draft a project proposal using the handout provided (which is similar to the one you did on Tuesday).

While you may be able to complete this during today's class, you are also welcome to take additional time. In any case, you should submit it no later than Friday night.

Reflection Question

What are *your* project-related tasks for over the weekend? Agree with your team on who is doing what individually (if anything) and how you will tackle work as a team.

Next Steps

Before class on Monday, please do the following things:

☐ Write your name here: _____

☐ Write your name(s) of your Project 1 partner(s) here: _____

☐ By tonight: Scan this worksheet and submit it on Canvas.

☐ By Friday night: Scan your project proposal and submit it on Canvas. (Only one team member needs to submit.)

☐ By Sunday night: Read Chapter 10 and complete the Chapter 10 reading quiz on Canvas.

☐ Also by Sunday night: Complete the Chapter 8 notebook, push it to your repo on GitHub, and turn in the URL on Canvas.

☐ Meet in the AUDITORIUM on Monday.