



PH3101 Classical Mechanics

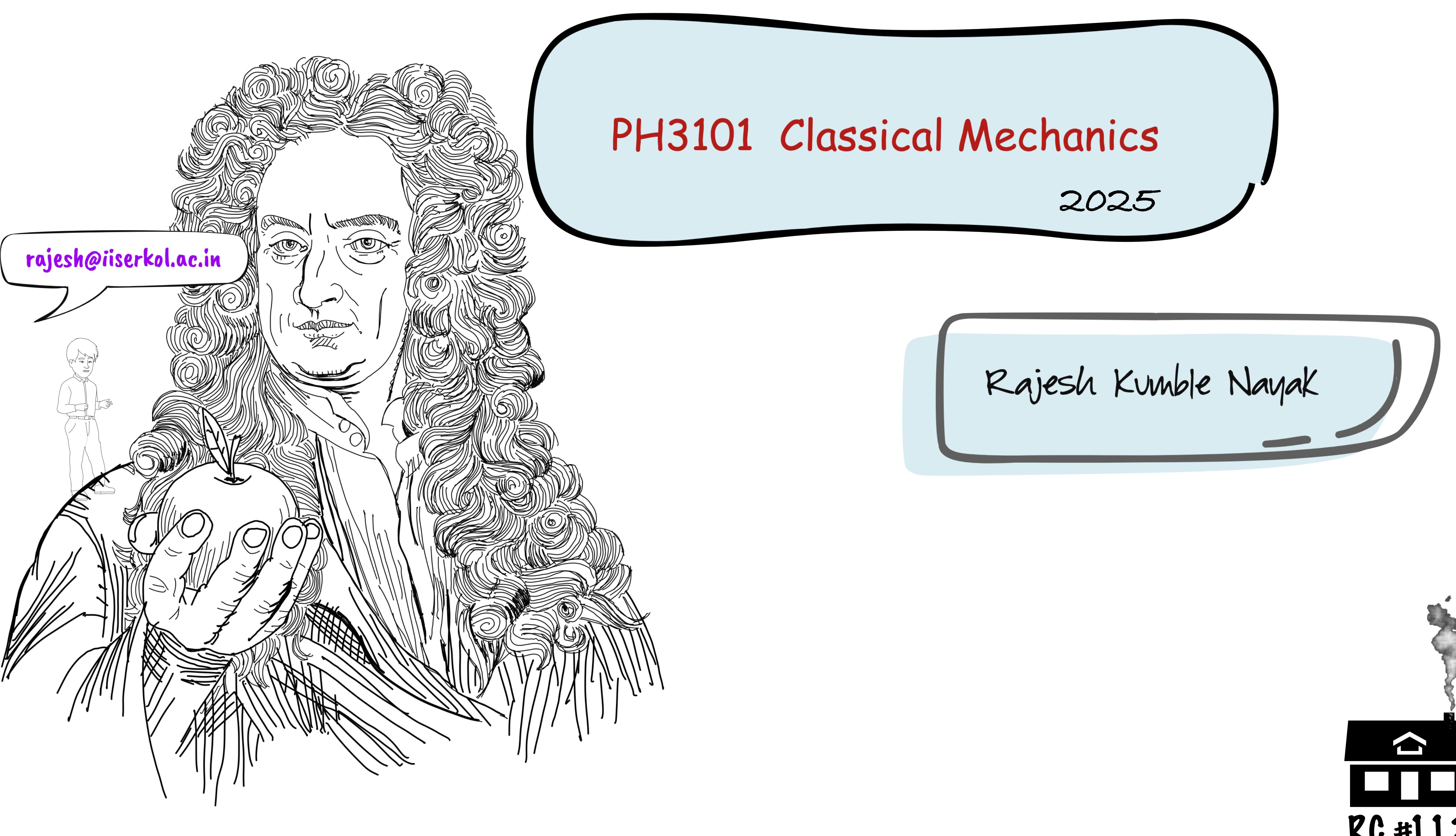
2025

rajesh@iiserkol.ac.in

Rajesh Kumble Nayak



RC #112H

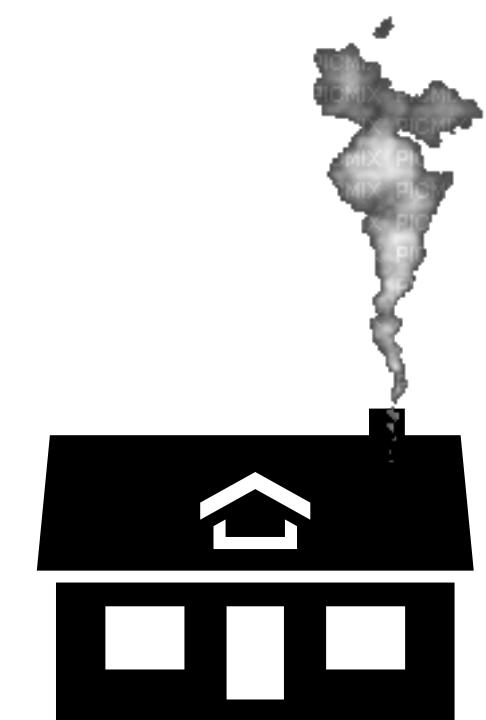


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PH3101 Classical Mechanics

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RC #112H

Let's look at syllabus

Link of Senate approved official syllabus!

<https://www.iiserkol.ac.in/teaching-plan/course/2025/Autumn/PH3101/>

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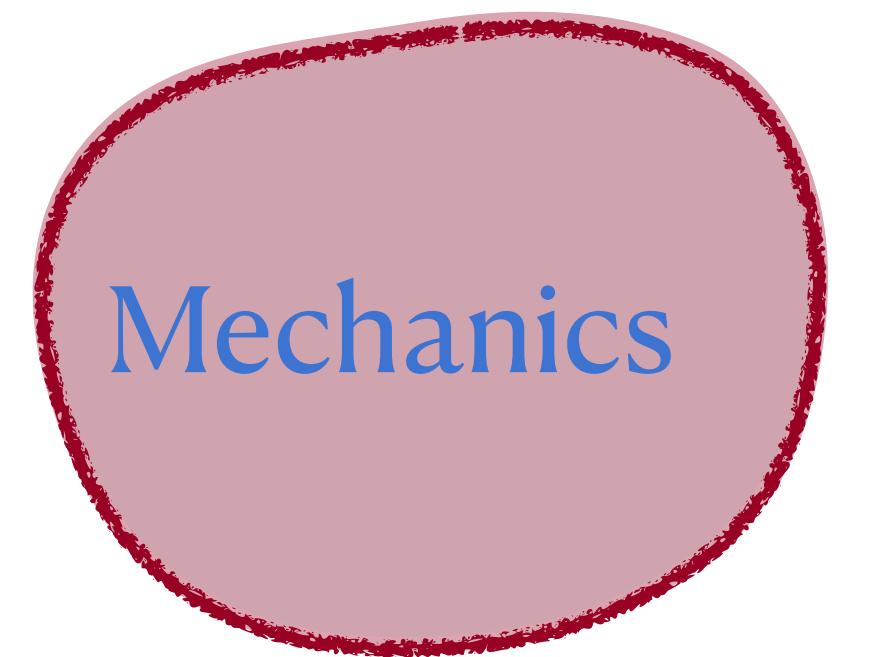
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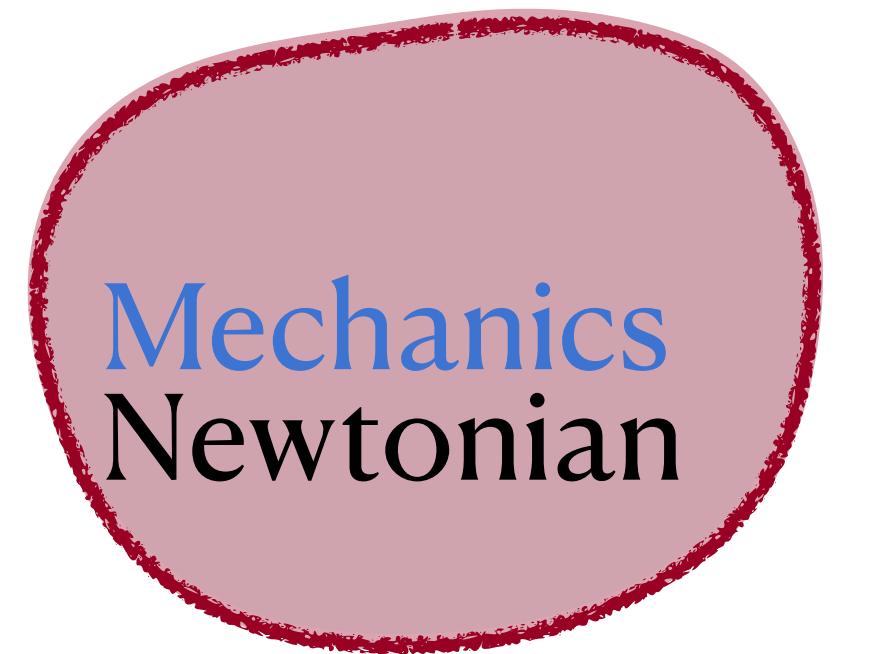
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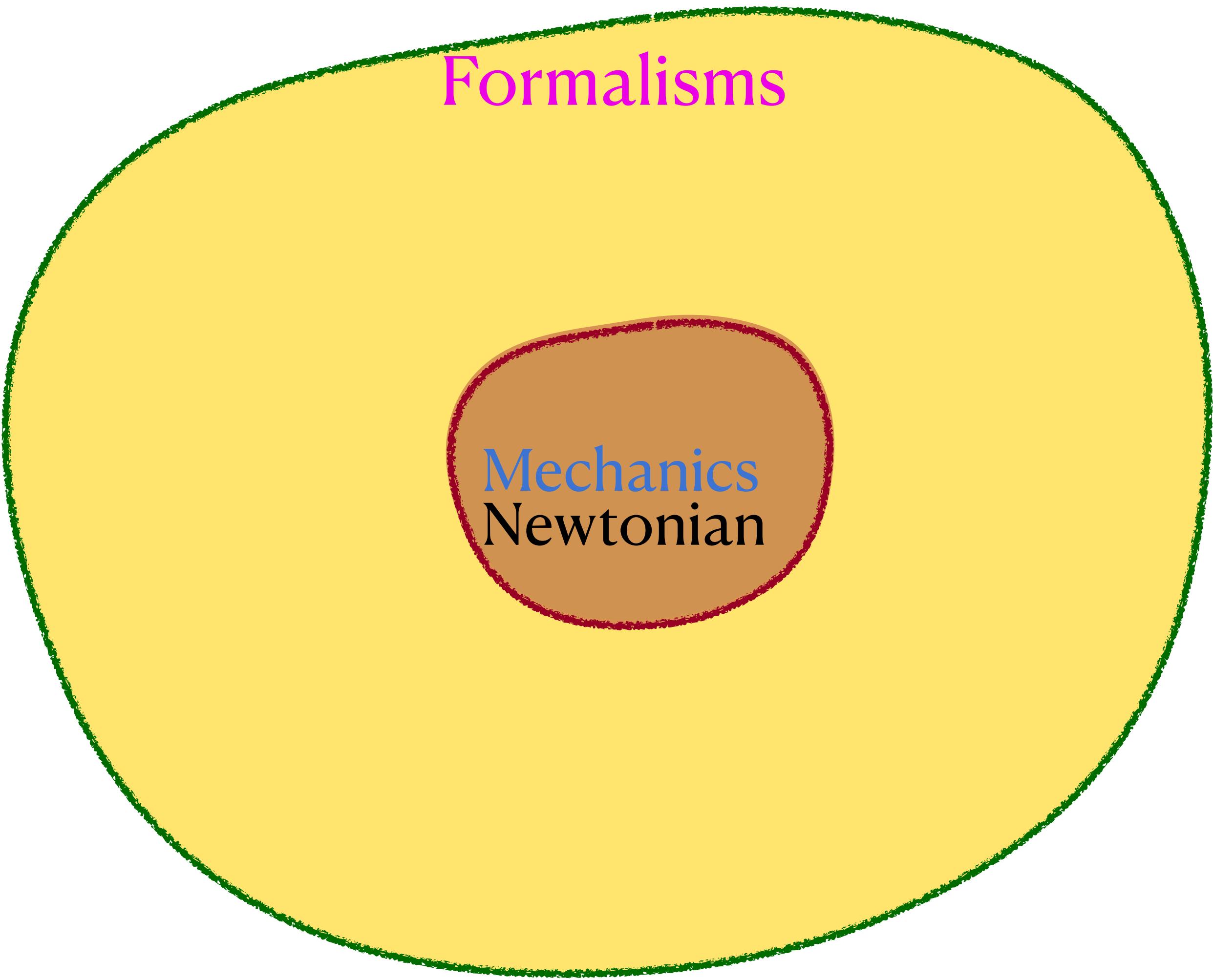
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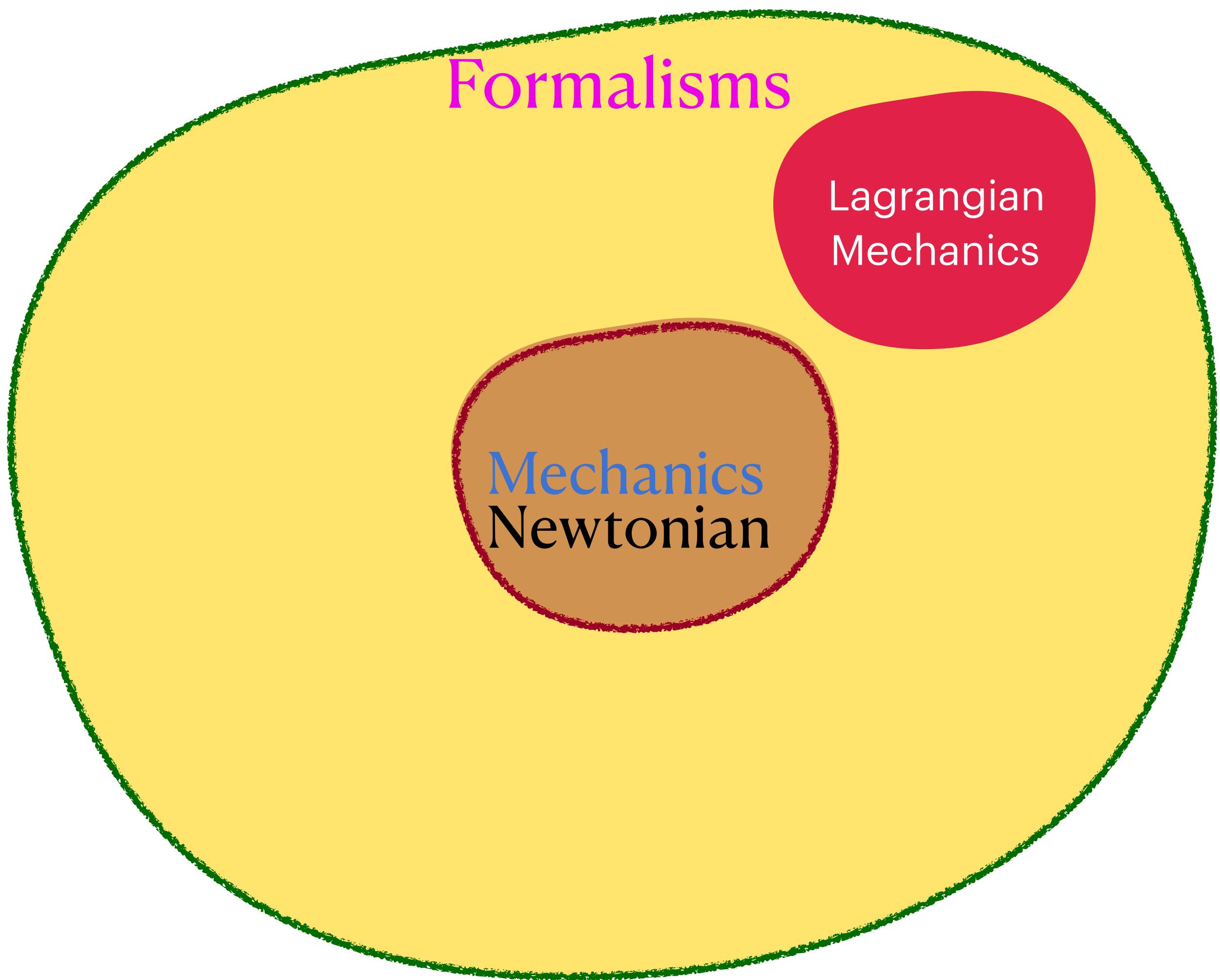
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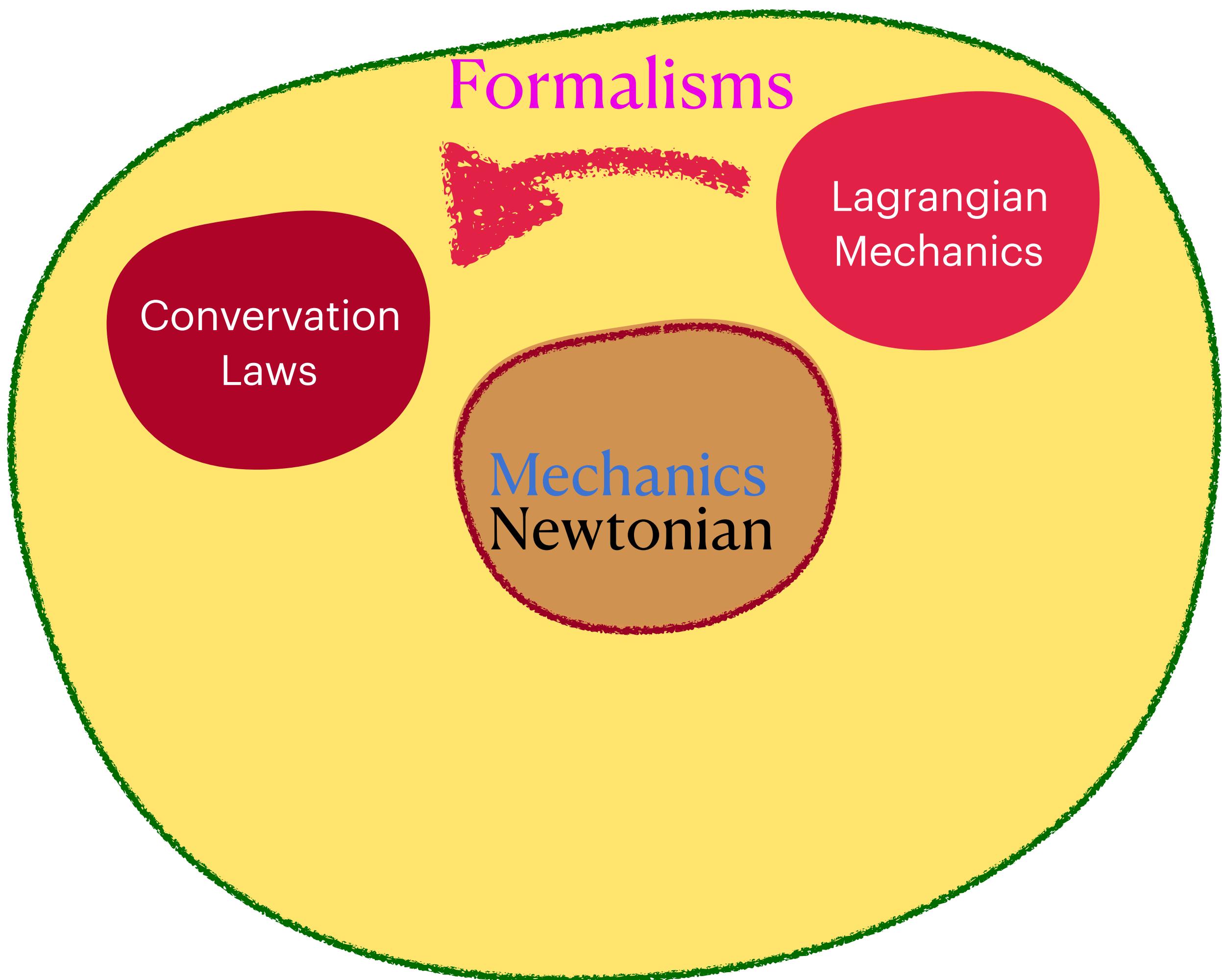
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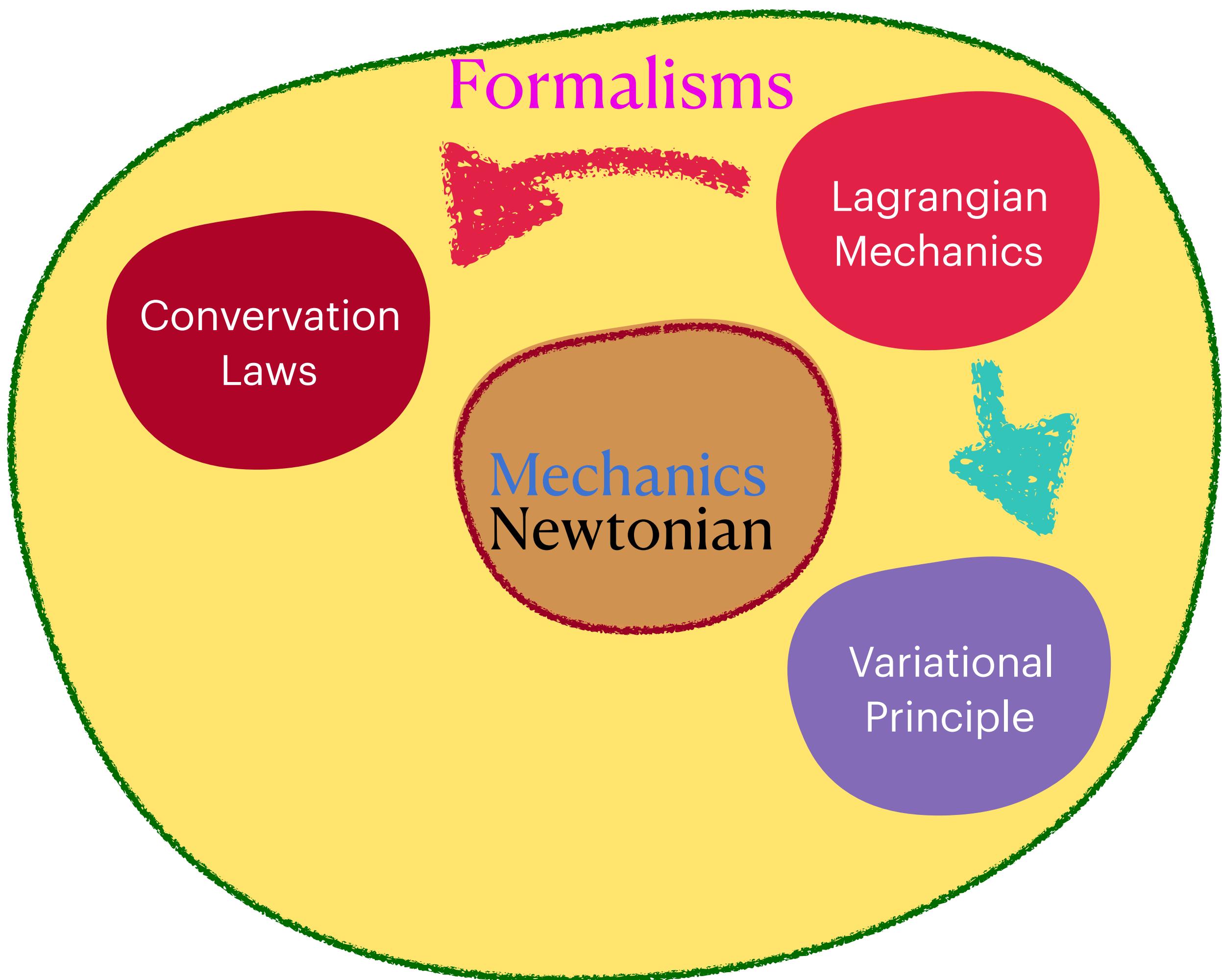
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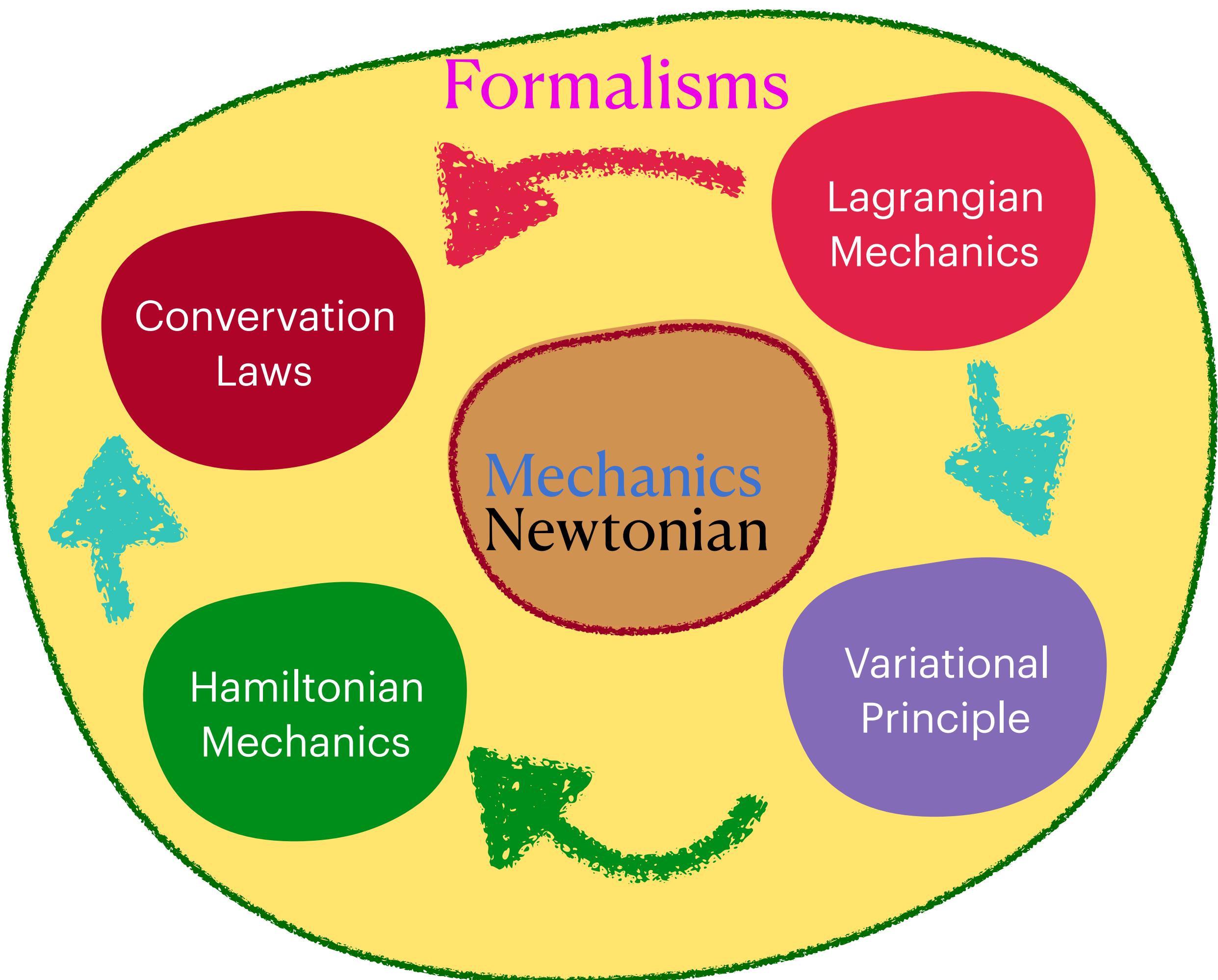
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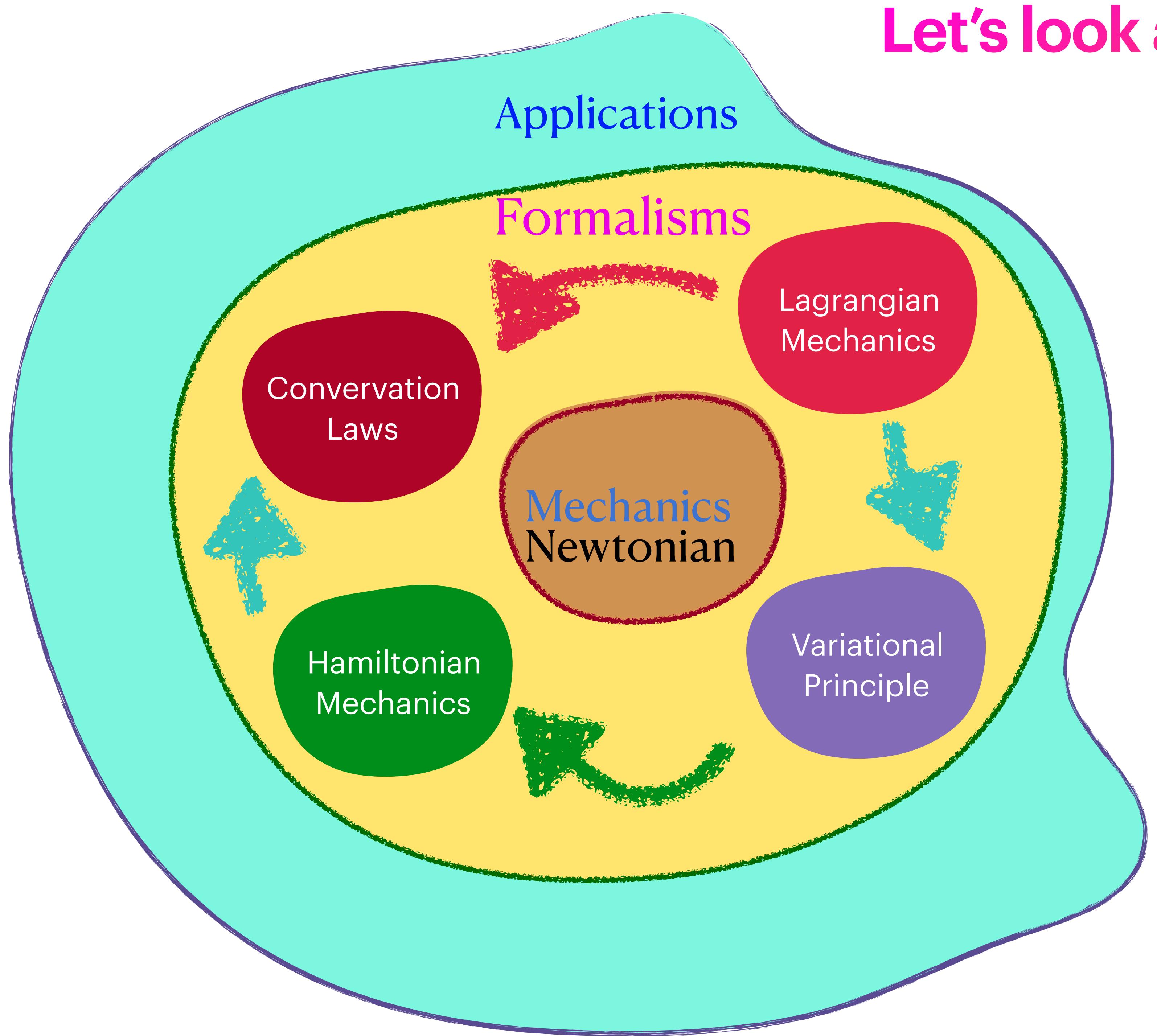
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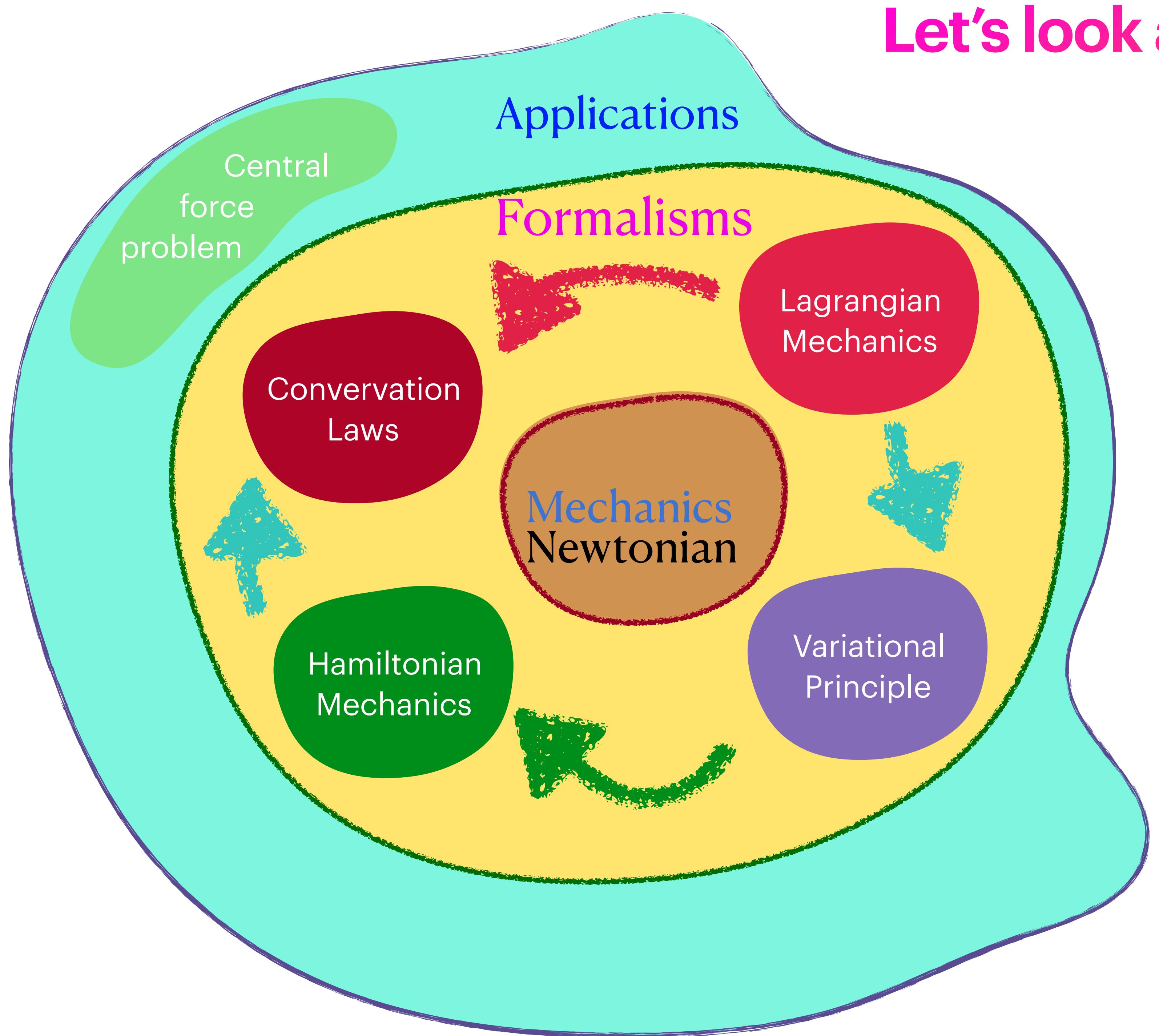
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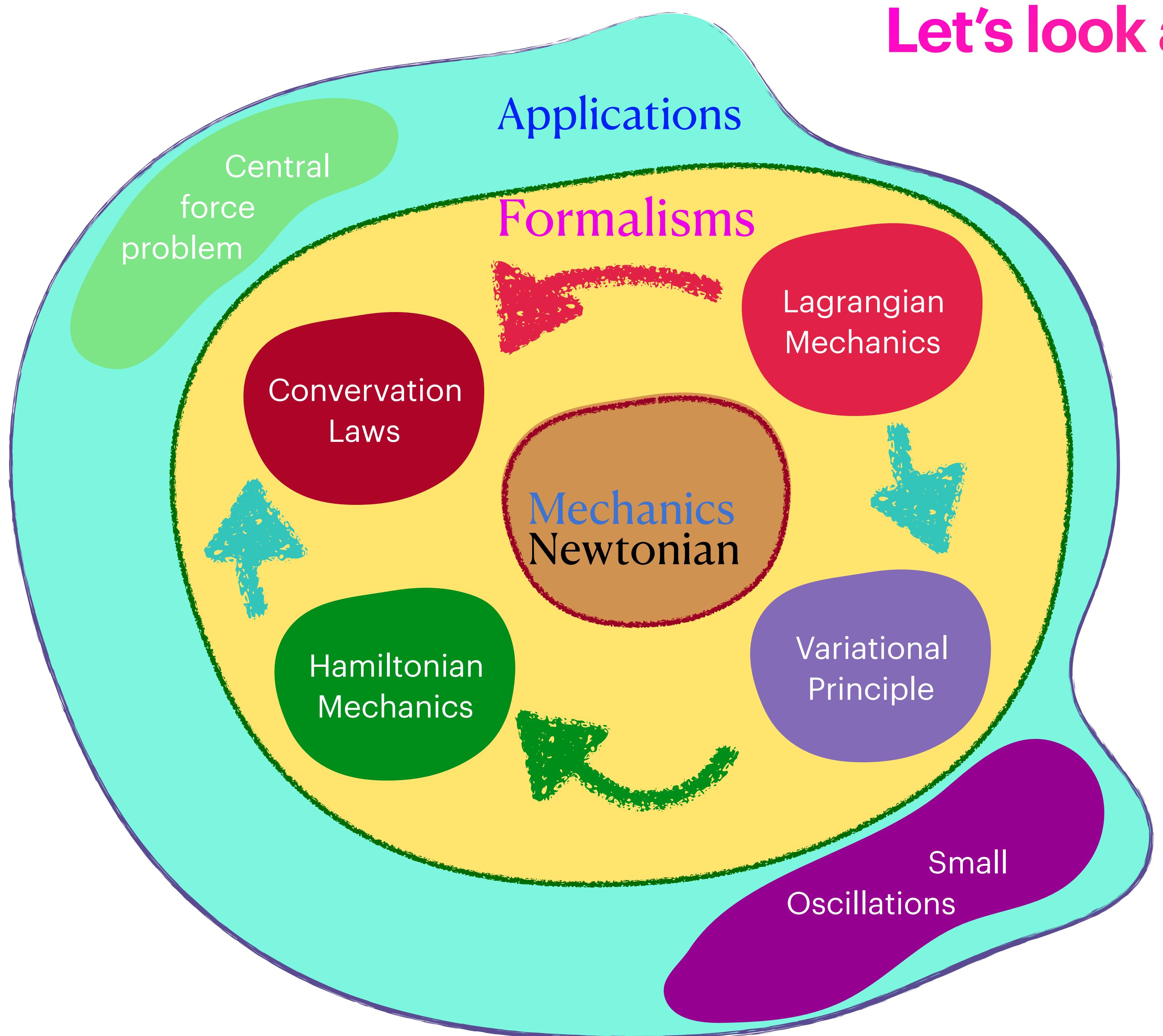
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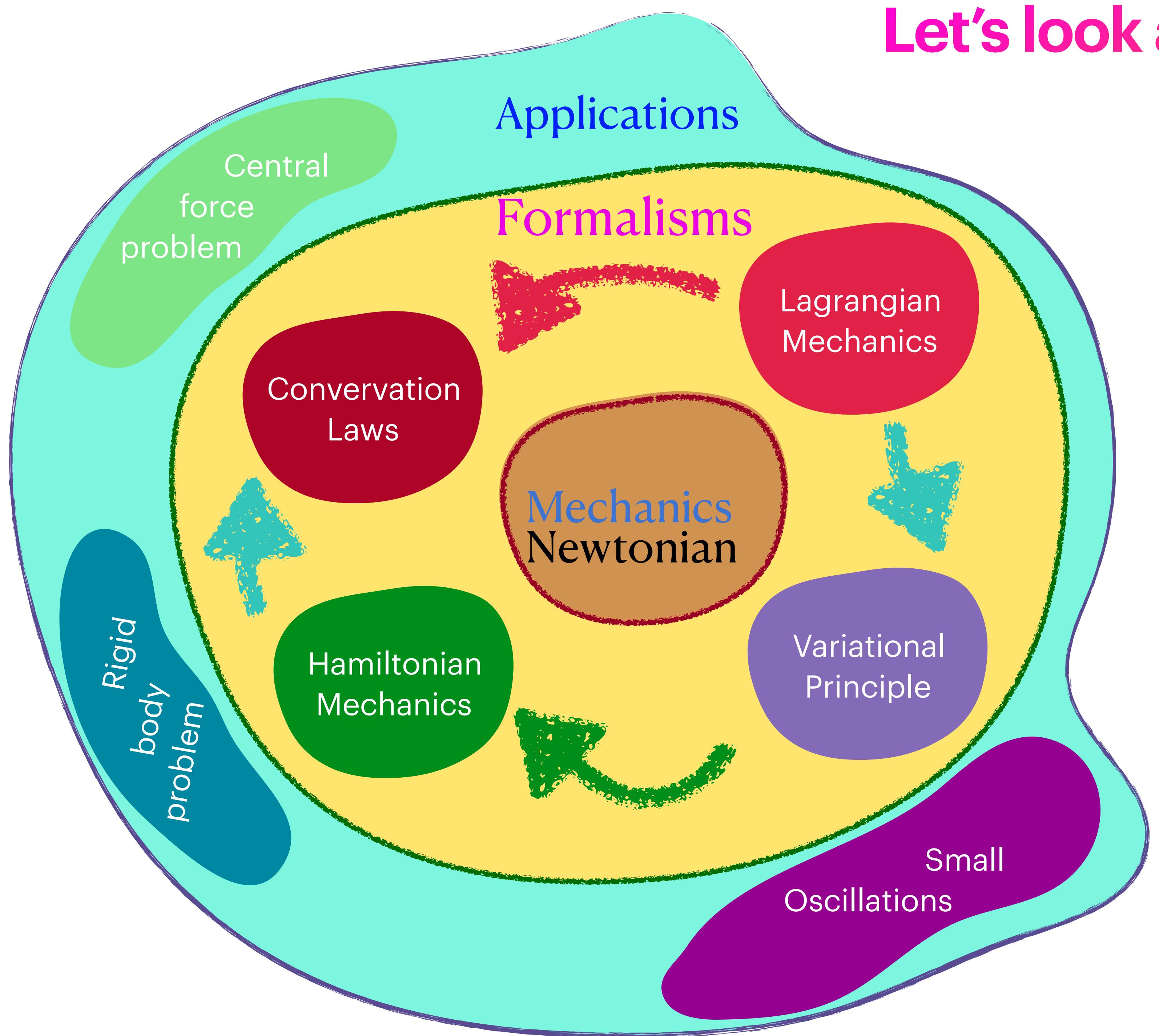
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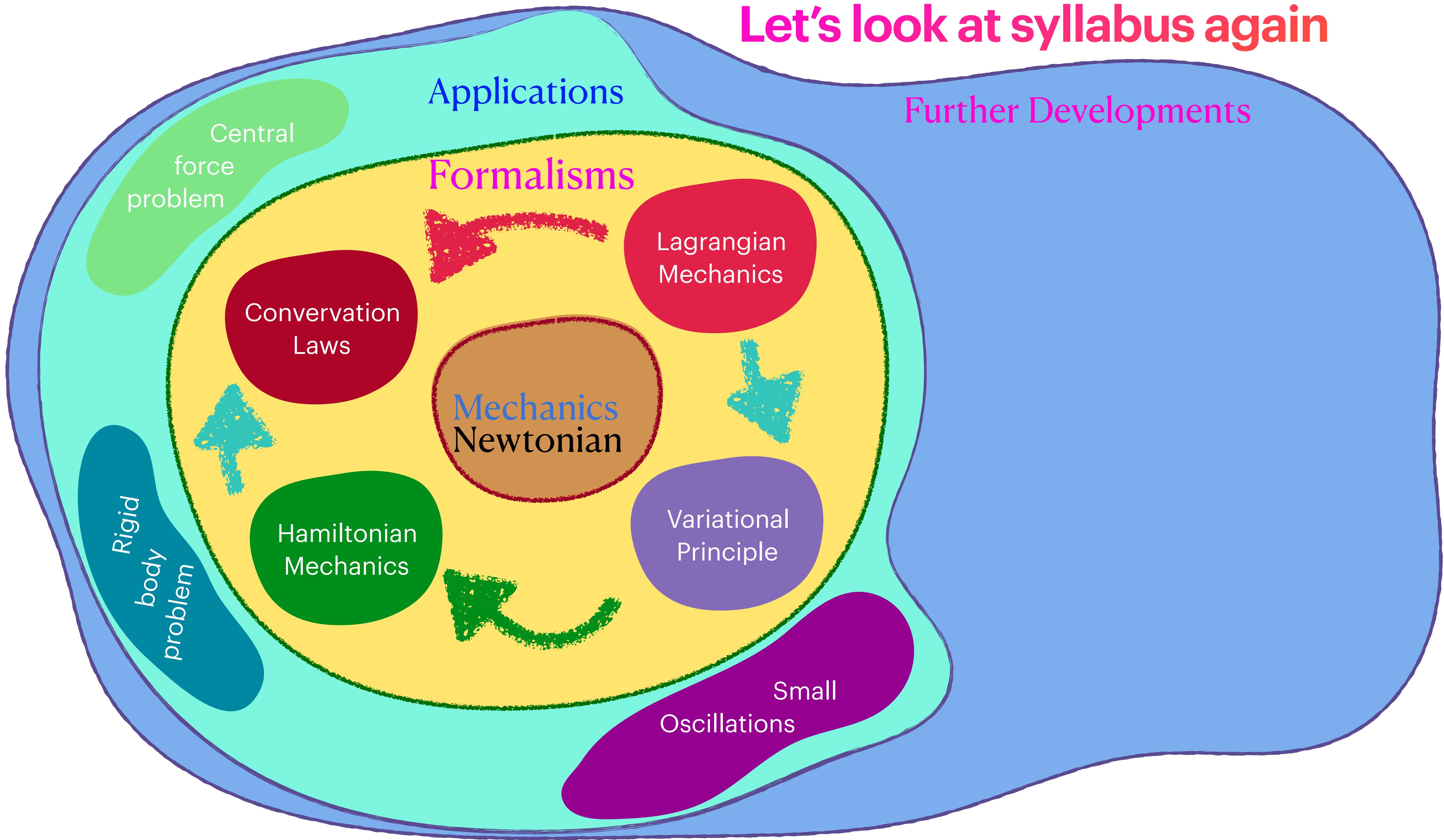
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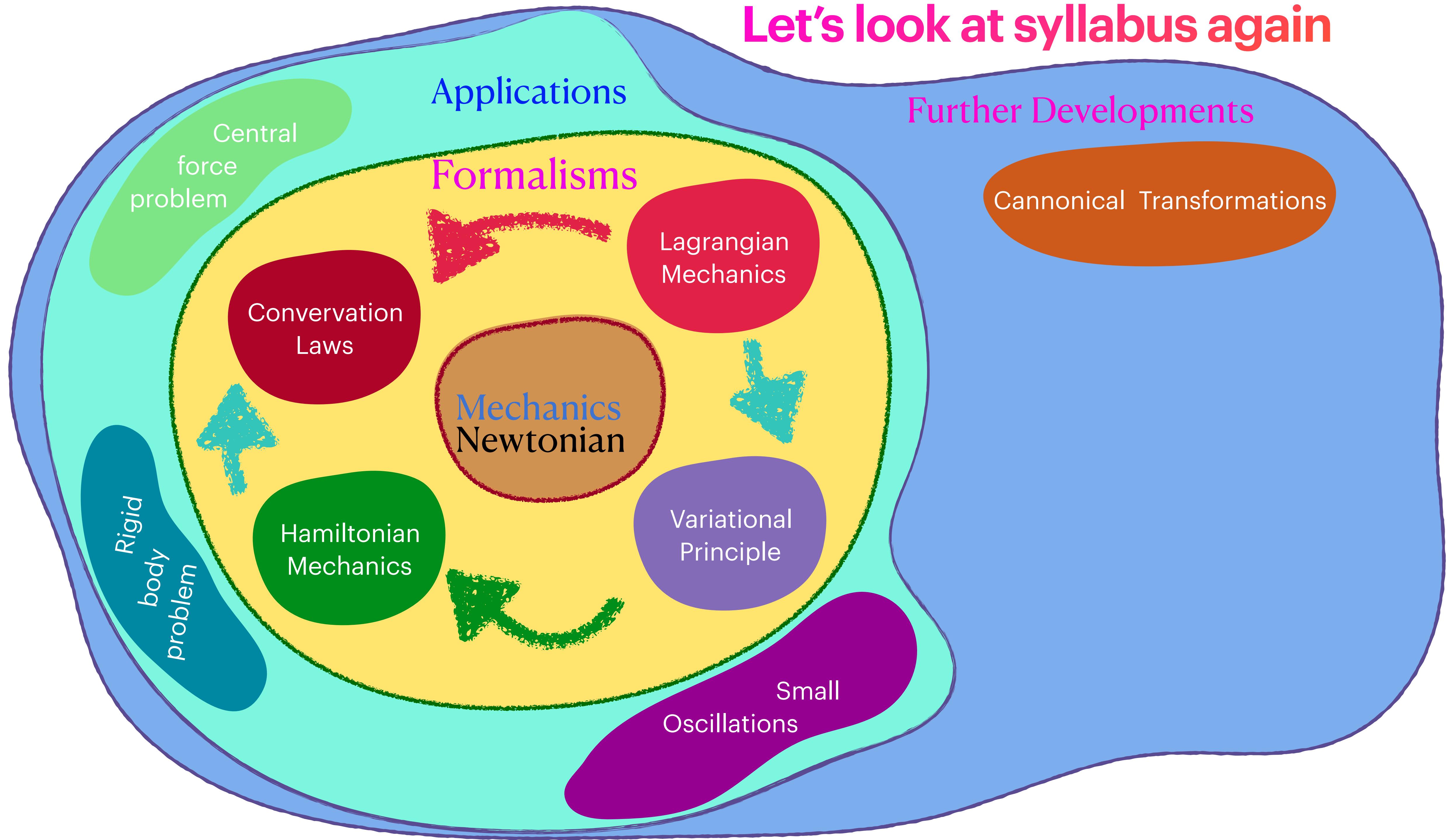
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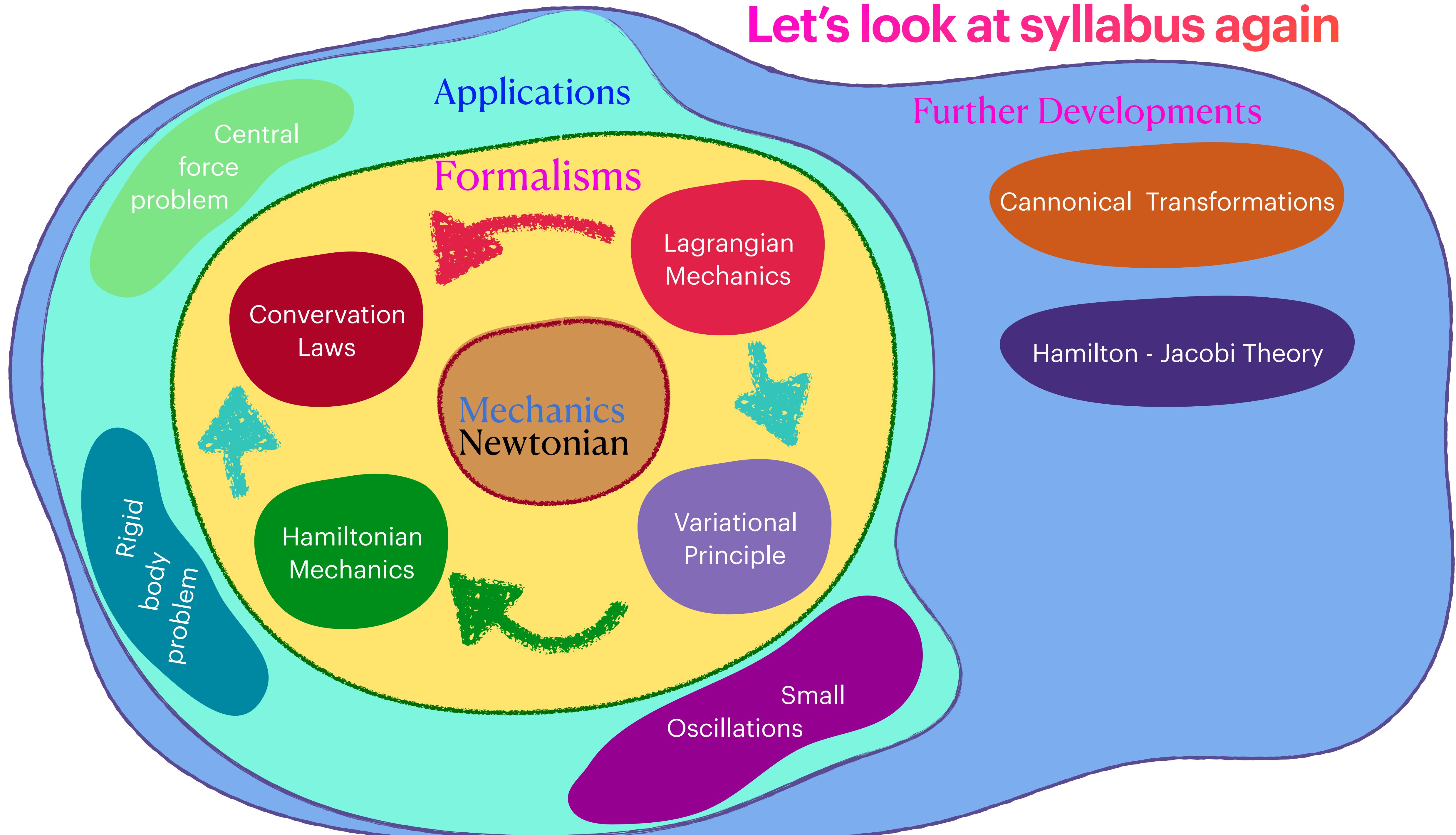
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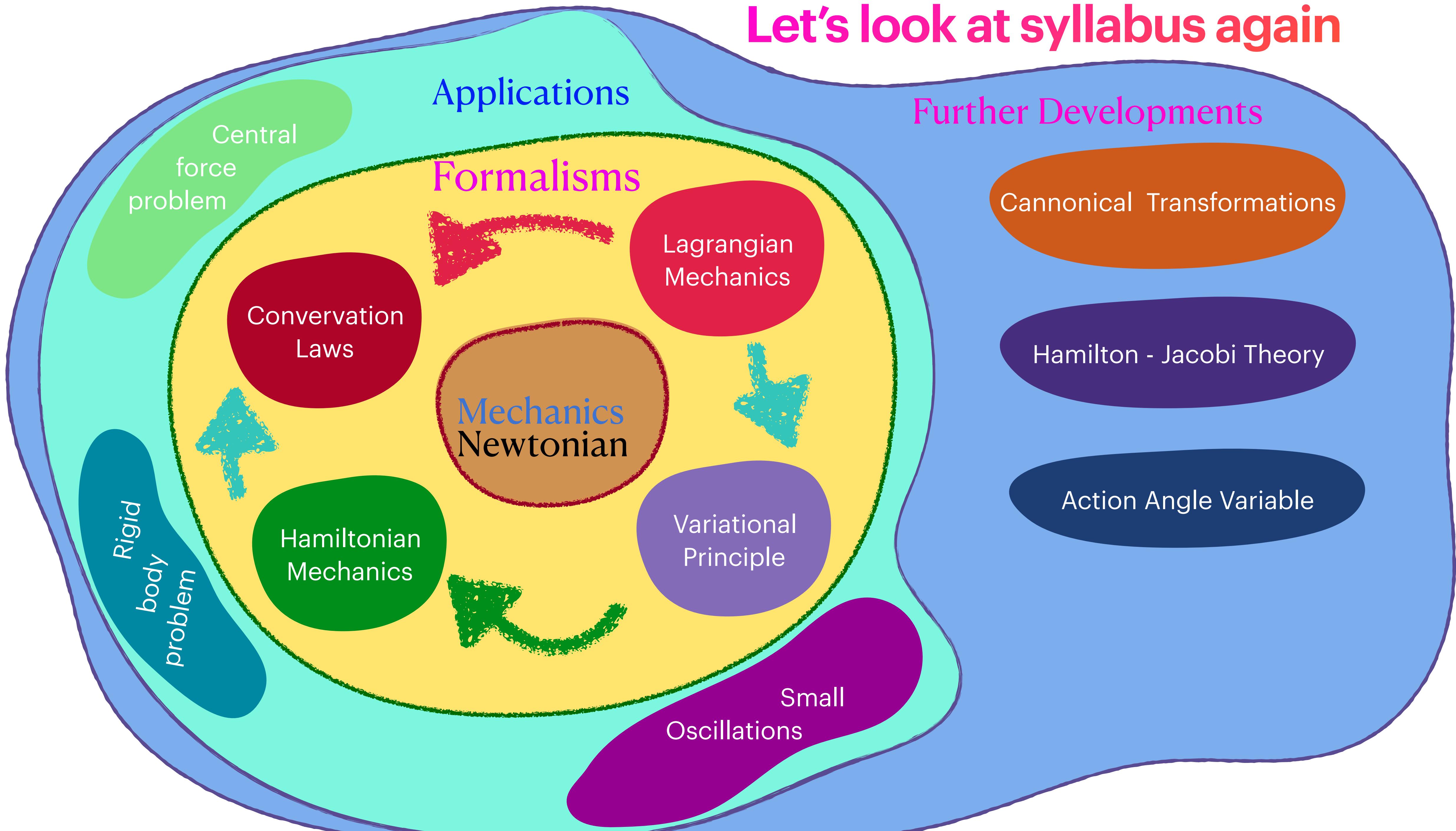
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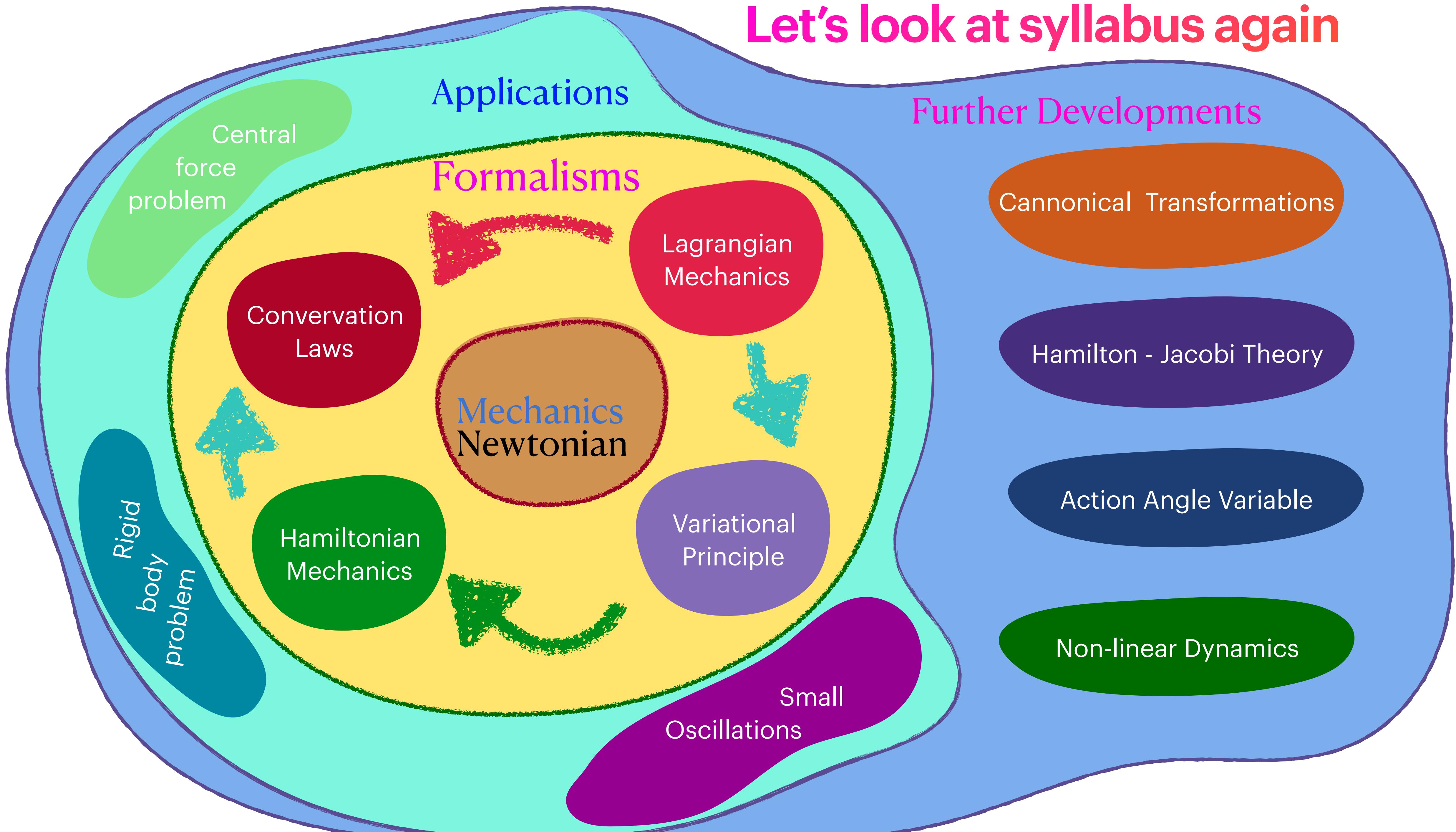
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(Un)official References!

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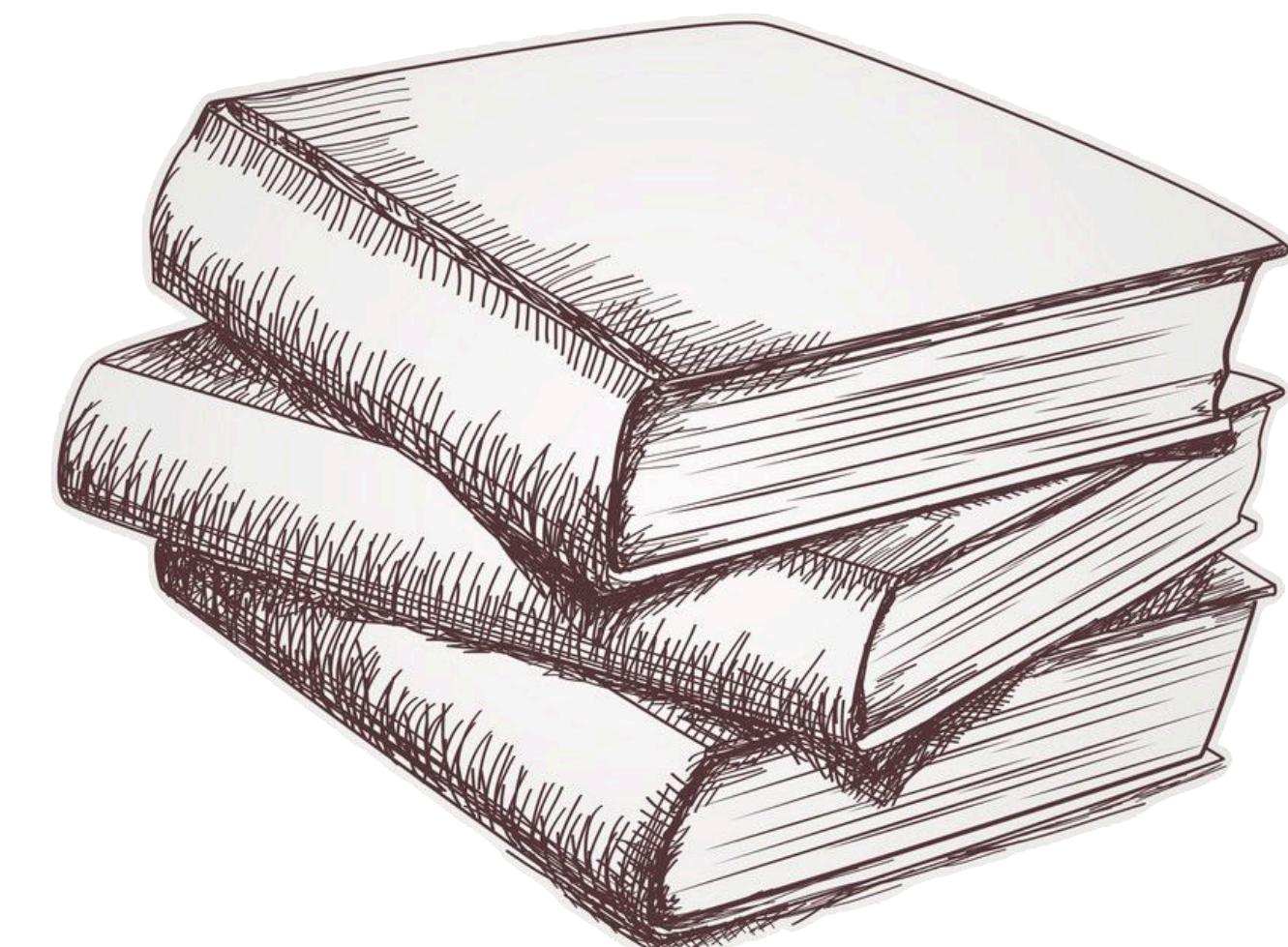
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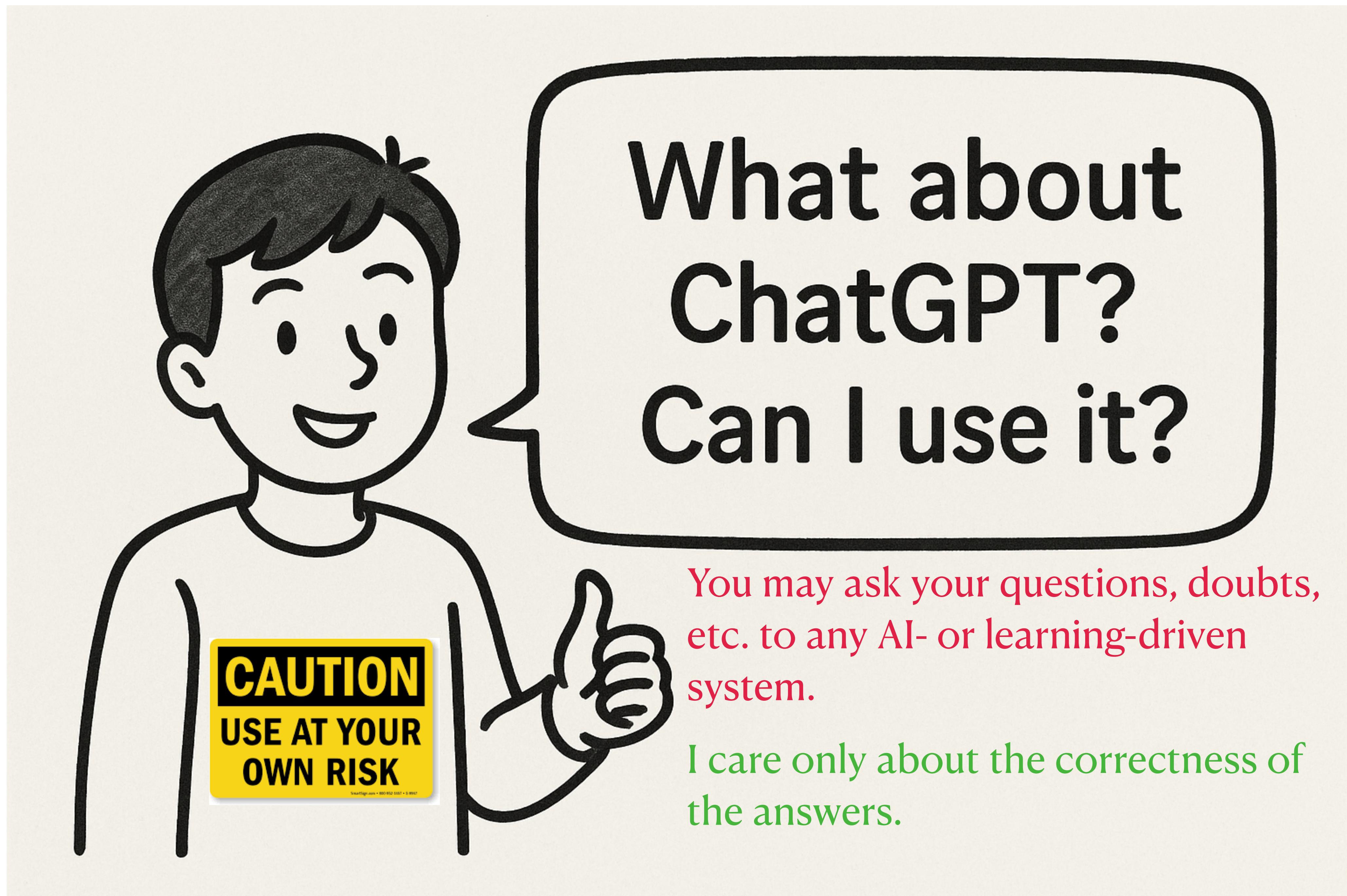
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- ★ F. Gantmacher, Lectures in Analytical Mechanics.
- ★ J. V. Jose and E.J. Saletan, Classical dynamics - a contemporary approach.
- ★ V.I. Arnold, Mathematical methods of classical mechanics.
- ★ Steven H. Strogatz, Nonlinear Dynamics And Chaos





What about
ChatGPT?
Can I use it?



What about
ChatGPT?
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You may ask your questions, doubts,
etc. to any AI- or learning-driven
system.

I care only about the correctness of
the answers.

Evaluation

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Total numerical marks is in 100

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- We take 2 best out of three class tests, It accounts to 20%

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Total numerical marks is in 100

- We take 2 best out of three class tests, It accounts to 20% = 20
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Number is converted to letter!

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**Midterm and Final require a minimum of 60% attendance!
Your Midterm and Final marks will not be corrected!**

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Total number of marks



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TEACHER'S
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One hour Tutorial per week On Wednesday 6:00 - 7:00 PM

you have and hour to solve a set of problems with help from each other and TA's. Paper should be turned in at the end of hour. These will be corrected by TA's. **There will be NO makeup tutorials!**

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Class Test 1 - Monday, 1st September, 11:00 AM to Noon

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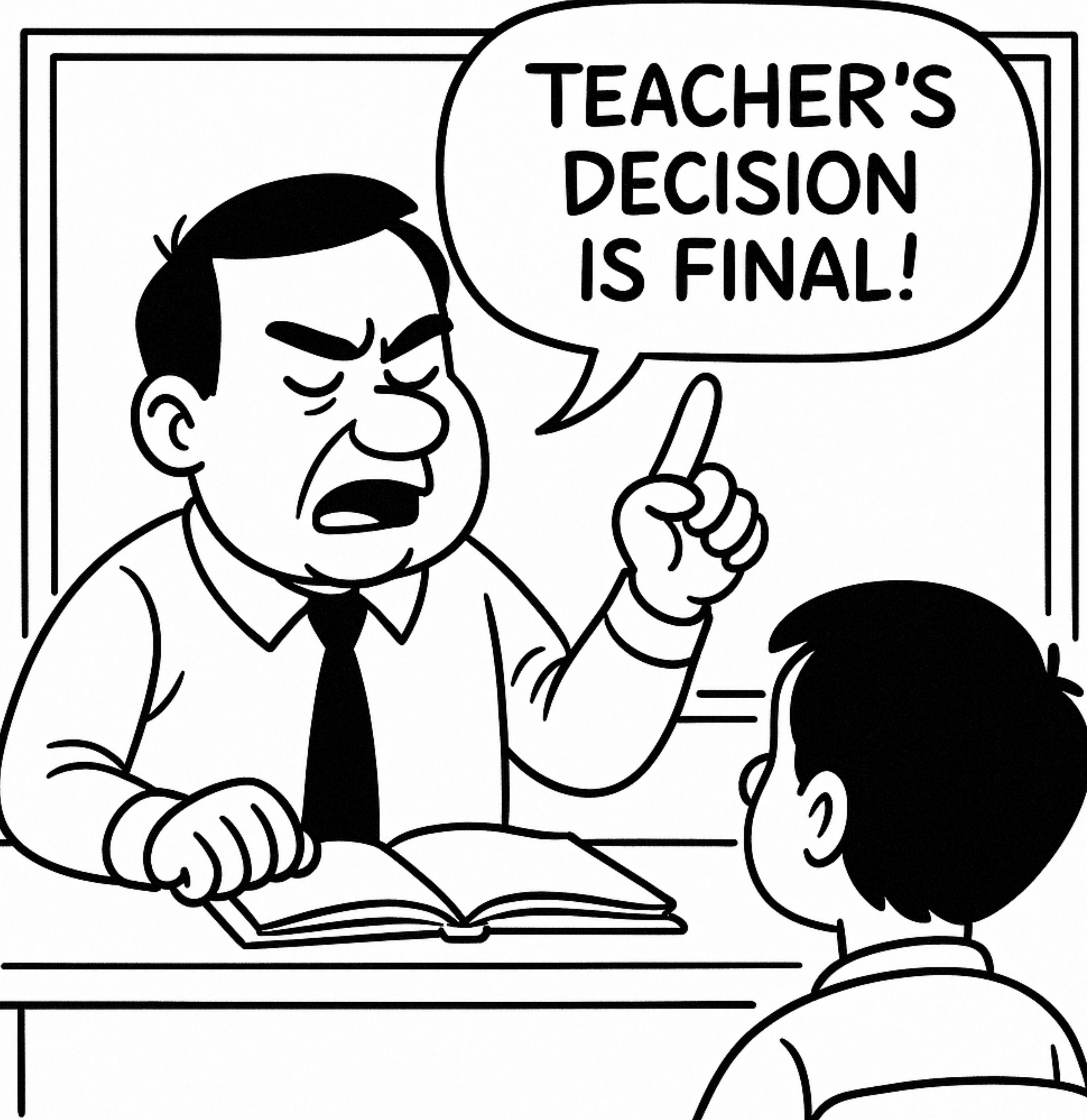
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Students are not

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I am happy to be part of the class. It is possible that, knowingly or unknowingly, I will contribute to your stress level!

How to reduce Stress!



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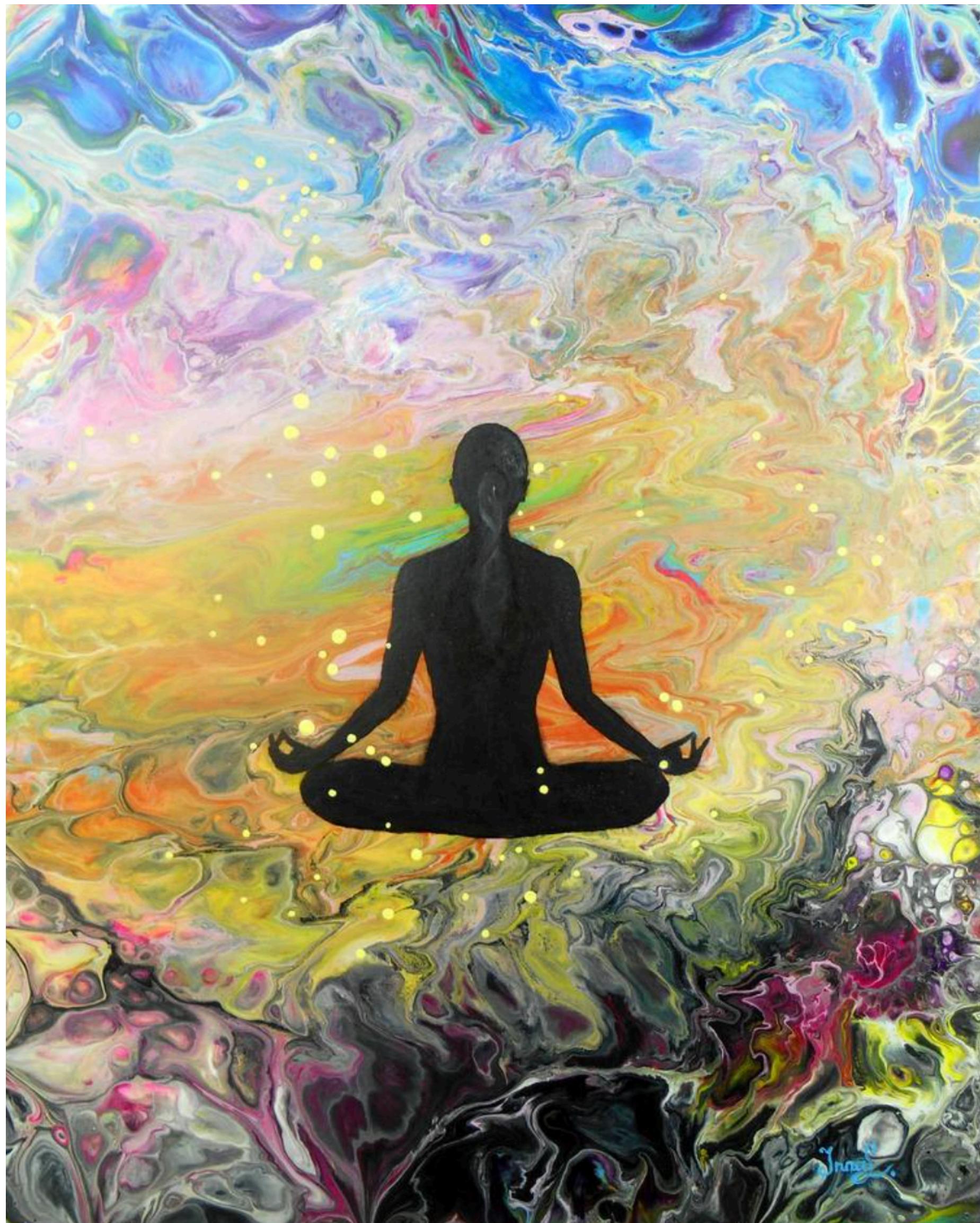
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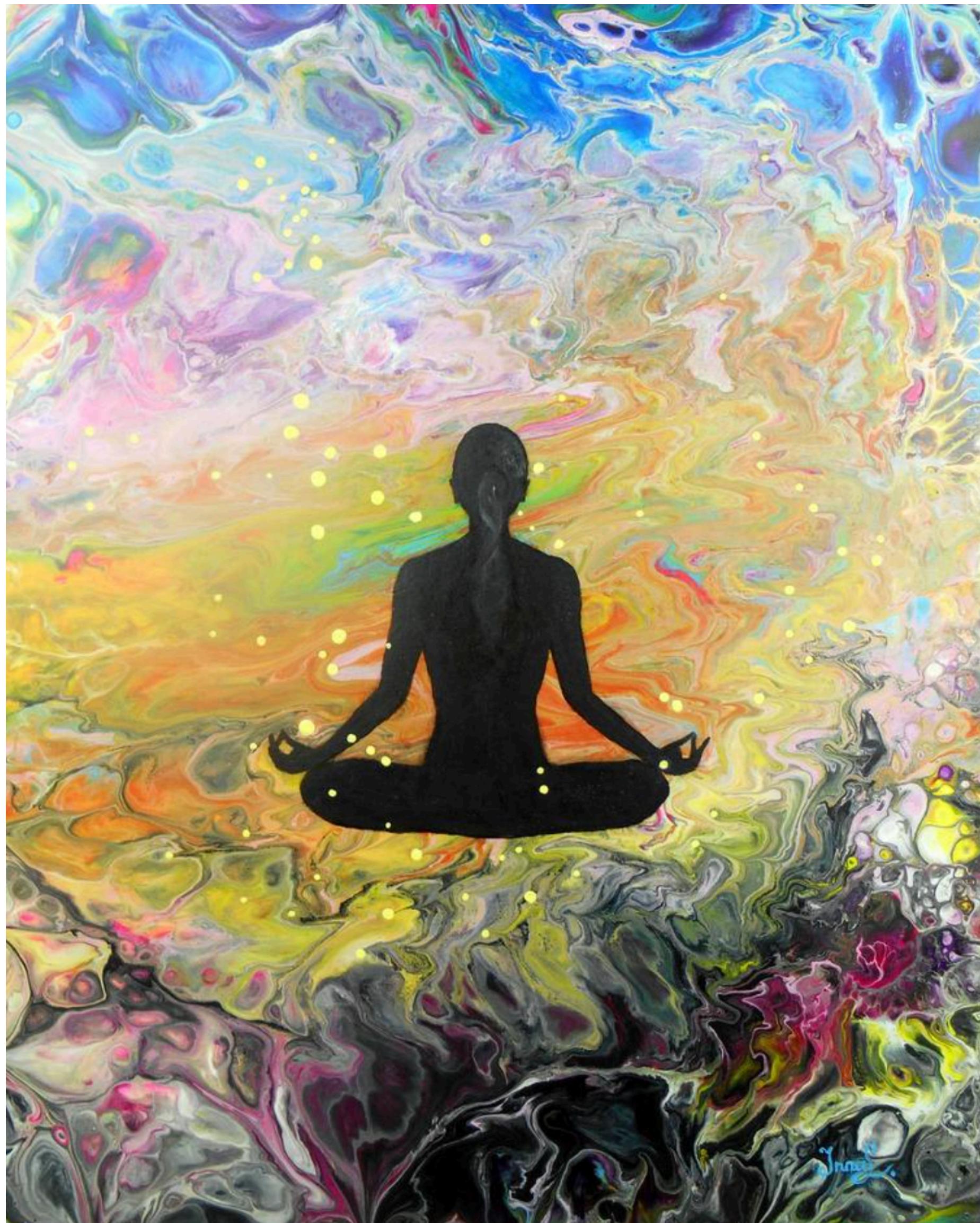
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- Walk around the campus, observe birds, chase dogs or foxes, look for snakes, count trees, etc.
- Read non-academic books, participate in social activities, and engage in various activities to maintain a balanced life.



Motivation vs Discipline



Motivation

Motivation comes from the natural human drive to achieve something. Motivation doesn't last forever no matter how much you want something. It's a **temporary effect** created by the brain to boost you in the right direction.



Discipline

Discipline is the ability to continue pushing in the right direction when you no longer have [↗] motivation doing it for you. Discipline is far [↖] more important than motivation and you should ^{never rely} on motivation only.

↗ Visit site

