

Title

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Occasion, Location
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Outline

Background

Development

Results

Conclusion

Objective

It is good to identify the main objective(s) of the work. You can use colors to do so.

1. We will cover covers blah blah blah
2. Then we will see that blah blah blah blah

Background

A place for everything,
and everything in its place

—Mother

- ▶ I like to include quotes as shown above using `epigraph`.
- ▶ Nonlinear terms can be added to right-hand side

$$\nabla^2 p - \frac{\partial^2 p}{\partial t^2} = \mathcal{O}(\epsilon^2)$$

Background

$$\nabla \cdot u + \frac{\partial \rho}{\partial t} = 0 \quad \text{continuity}$$
$$\nabla P + \frac{\partial \rho u}{\partial t} = 0 \quad \text{momentum}$$

- ▶ Nonlinearities can be included by using the exact continuity and momentum equations
- ▶ Viscosity, heat conduction, and other lossy mechanisms not shown above

Development

- Parts of equations can also be highlighted:

$$\begin{aligned} f(x) &= \int_1^x \frac{1}{t^2} dt = \left[-\frac{1}{t} \right]_1^x \\ &= -\frac{1}{x} + \frac{1}{1} \\ &= 1 - \frac{1}{x}. \end{aligned}$$

- What is the relationship between QM and acoustics?

$$i\hbar \frac{\partial}{\partial t} |\Psi\rangle = \mathcal{H} |\Psi\rangle$$

Results

Lightning bolt



Conclusion

- ▶ You learned this
- ▶ And you learned this
- ▶ But we didn't get to talk about this
- ▶ Next time we'll talk about this

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- ▶ Funding source 1
- ▶ Funding source 2

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