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

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

\[ \nabla^2 p - \frac{\partial^2 p}{\partial t^2} = O(\epsilon^2) \]
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.
Parts of equations can also be highlighted:

\[
f(x) = \int_{1}^{x} \frac{1}{t^2} \, dt = \left[ -\frac{1}{t} \right]_{1}^{x}
\]
\[
= -\frac{1}{x} + \frac{1}{1}
\]
\[
= 1 - \frac{1}{x}.
\]

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 2

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