🚀 Exciting Update! 🚀

I’m thrilled to share that I’m developing **StructDyn**, an open-source Python library for solving **structural dynamics problems**! 🏗️💡

So far, I have integrated **numerical methods** like **Interpolation and Central Difference Method** to compute the response of **Single Degree of Freedom (SDOF) systems**, including both **linear and nonlinear cases**.

You can try it out by installing directly from GitHub:

*pip install git+*[*https://github.com/learnstructure/structdyn.git*](https://github.com/learnstructure/structdyn.git)

Or you can clone the repository using the command:

*git clone https://github.com/learnstructure/structdyn.git*

📷 Attached is visualization of the SDOF response computed using the Interpolation method and Central difference method.

Check it out, and I’d love to hear your feedback! Contributions & discussions are welcome. 🔥

#Python #StructuralEngineering #StructuralDynamics #OpenSource #Engineering