The best and most practical to build a model on with the Fibonacci sequence is:

🔹 Grid Refinement / Mesh Generation Near Wells

Why?

* Fibonacci spacing can cluster grid points near critical zones (e.g., around the wellbore) while sparsifying farther regions, improving accuracy without heavy computational cost.
* You can create a radial or 1D reservoir pressure model where grid spacing follows the Fibonacci sequence.
* This is easy to visualize, simulate, and compare with uniform spacing.
* Model Idea:
* Simulate pressure diffusion from a wellbore using:
* Fibonacci-based radial grid spacing
* Solve diffusivity equation using finite differences
* Compare pressure profiles and numerical stability with uniform grid