

The Code That Built Modern AI

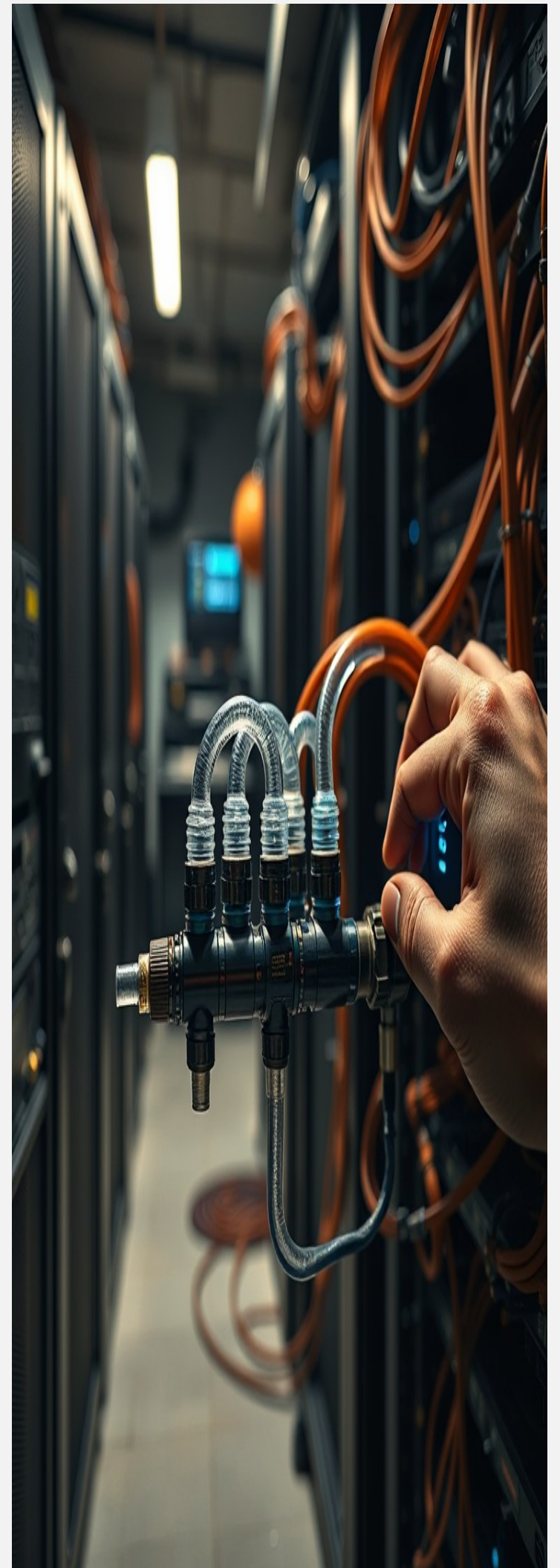
A single open method from 1967 still powers AI’s most complex simulations.

1967

Year of Foundational Breakthrough

Chorin published his projection method in 1967, a cornerstone of computational fluid dynamics.

This method, developed to simulate incompressible fluid flow, decoupled velocity and pressure calculations—enabling efficient, scalable numerical solutions. Its core principle of splitting complex systems into manageable algebraic components became a blueprint for modern AI and simulation frameworks.



01

Open Methods Enable Sovereignty

Chorin's work was never patented; it was published openly and immediately adopted worldwide. This openness allowed engineers, researchers, and now AI developers to build upon it without licensing or gatekeeping. Today's sovereign AI stacks—built on open-source LLMs and self-hosted inference—follow the same model: transparency, reusability, and community-driven evolution.

02

The Human Element of Open Science

Chorin mentored over 50 graduate students, many of whom went on to lead major computational efforts. His legacy wasn't just code—it was a culture of sharing, mentorship, and intellectual generosity. This human infrastructure of trust and collaboration is what enables true AI sovereignty: not just tools, but a resilient, self-sustaining ecosystem of builders.



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