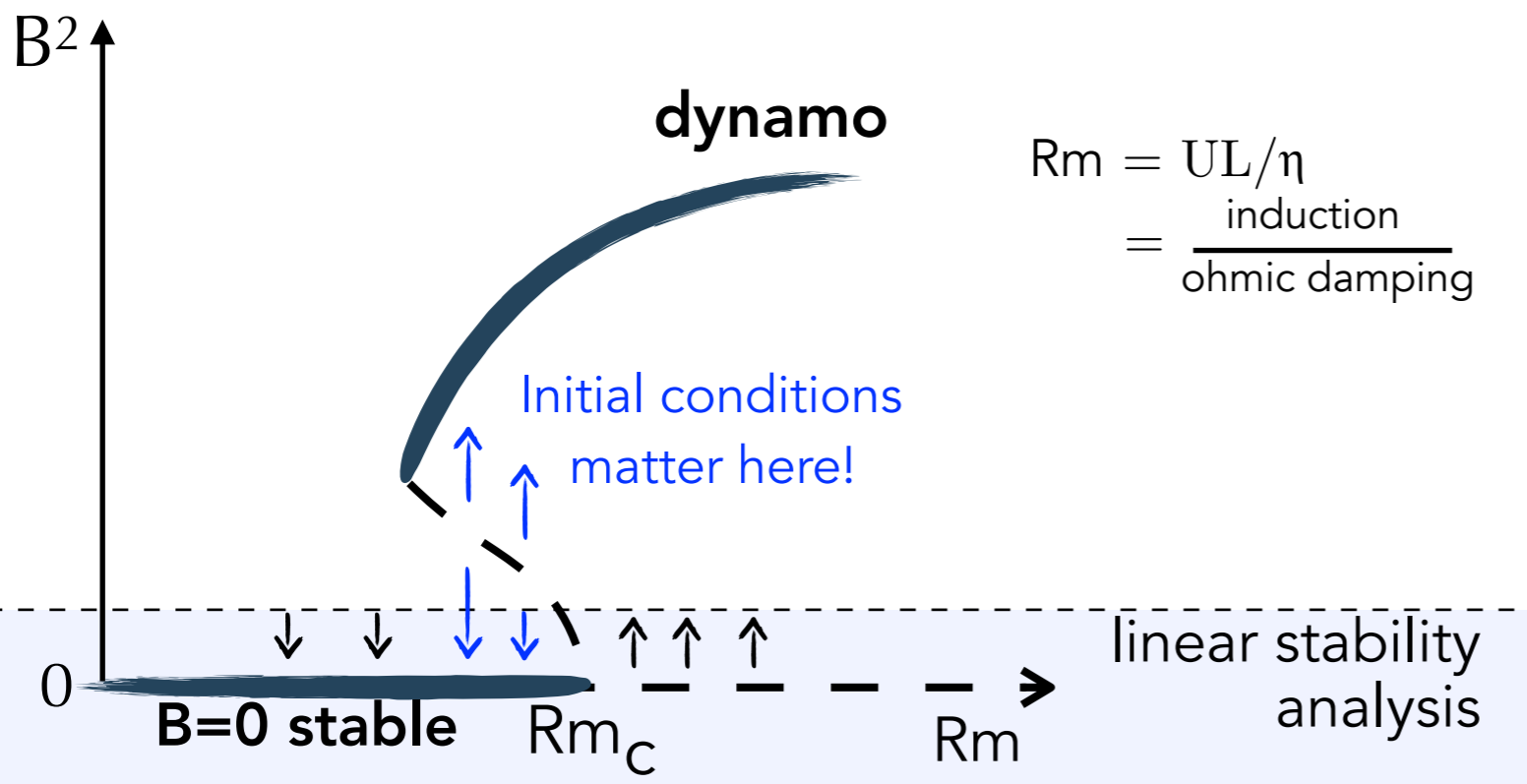


Minimal seeds for dynamo transition

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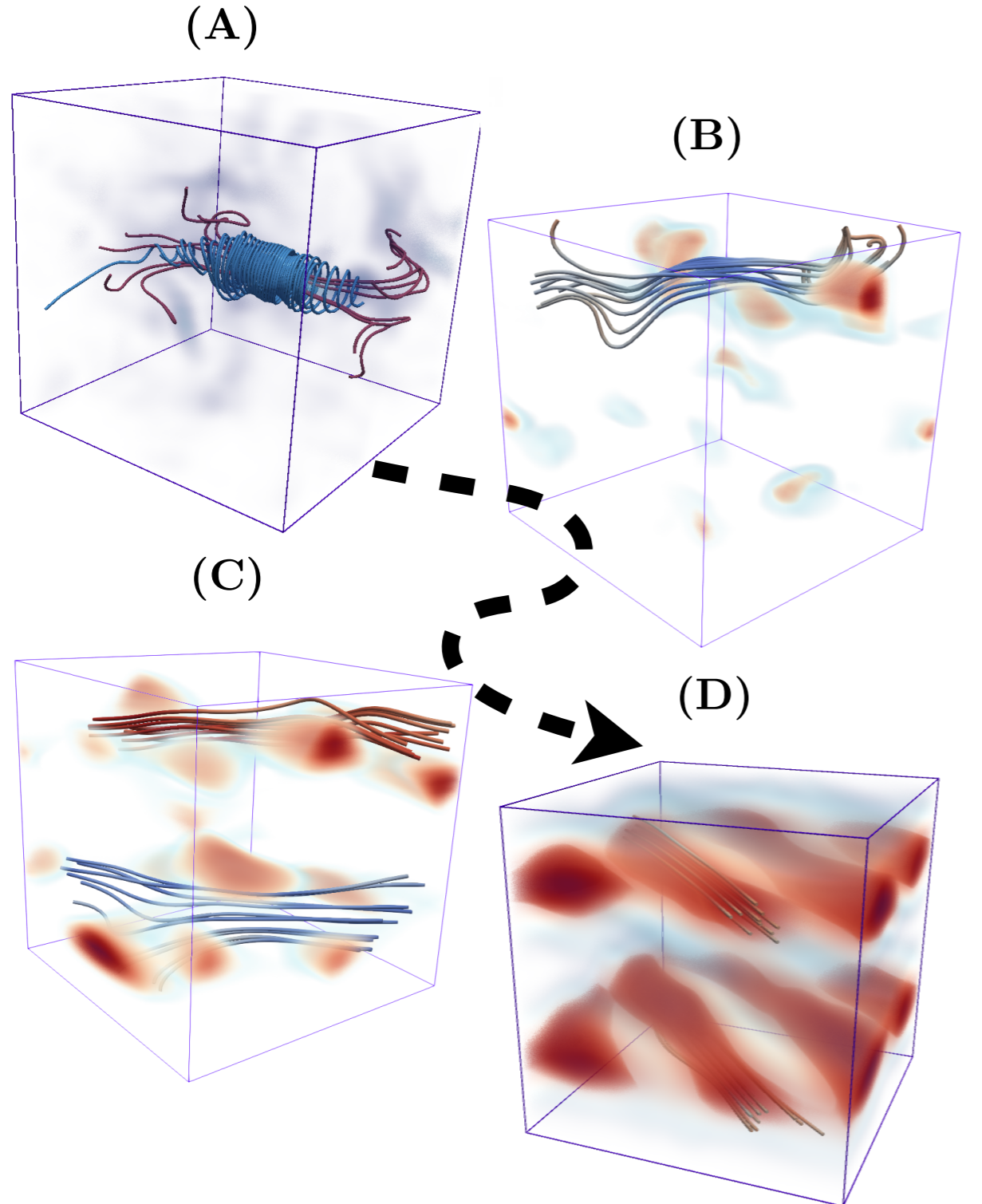
$$Rm = \frac{UL}{\eta}$$

$$= \frac{\text{induction}}{\text{ohmic damping}}$$

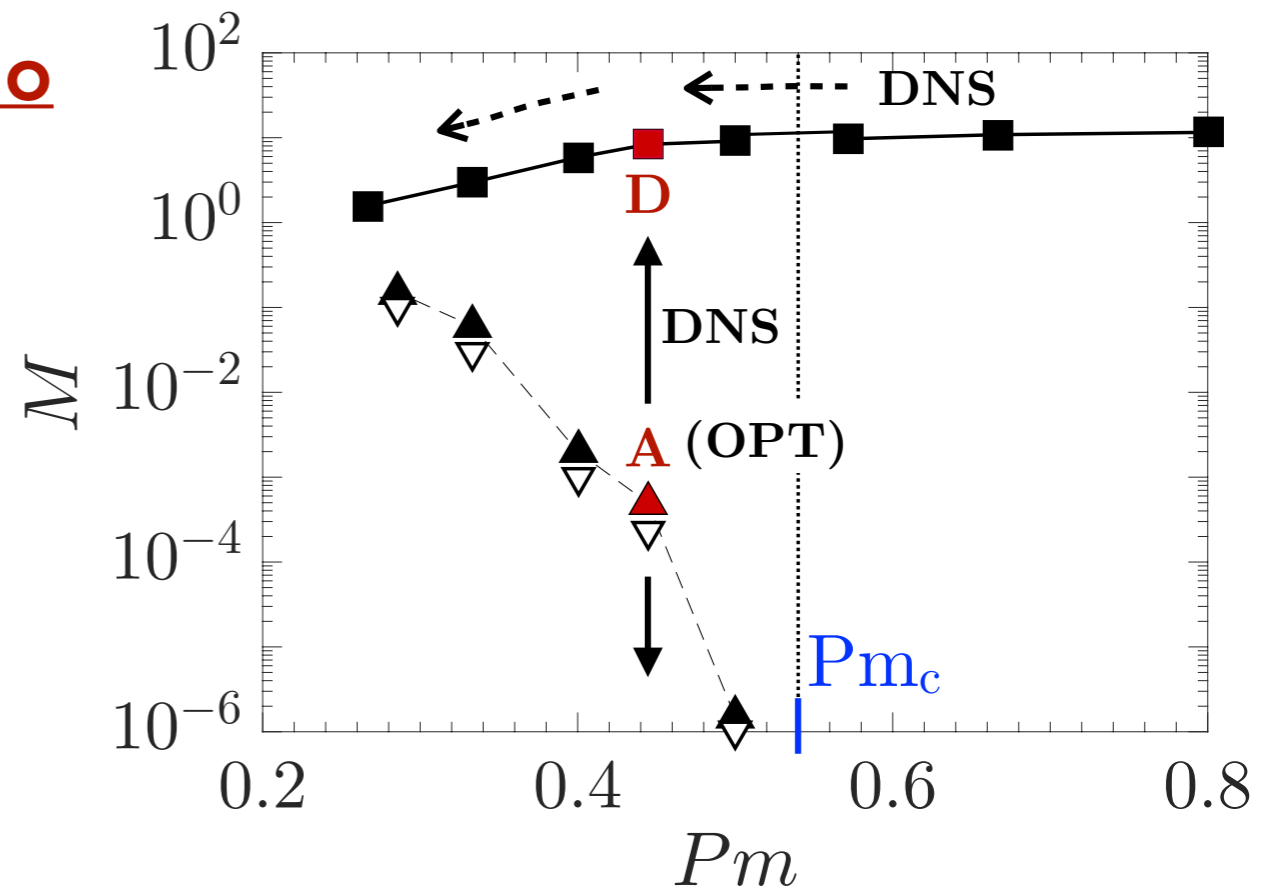
Aim: to identify “blindly” the smallest-amplitude seed (i.e. both its **spatial structure** & **intensity**) that triggers a **subcritical dynamo** in a given base flow

PoC: Subcritical Taylor-Green dynamo

From minimal seed...



... to saturated dynamo.



Quasi-Keplerian dynamo

