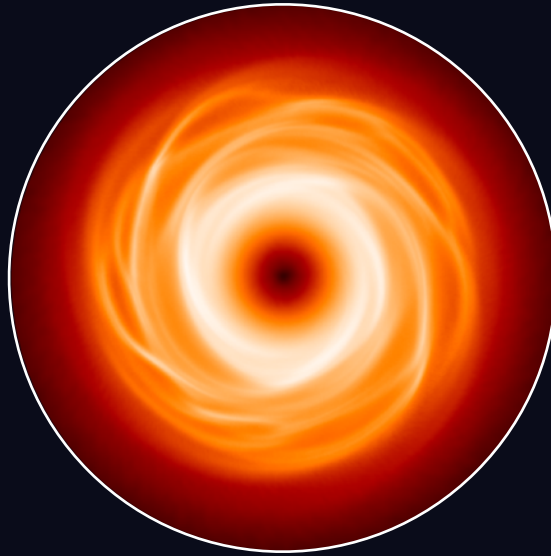


SUPPRESSING GRAVITATIONAL INSTABILITIES IN SELF-GRAVITATING PROTOPLANETARY DISCS

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Scan or click here for
more details with
animations!



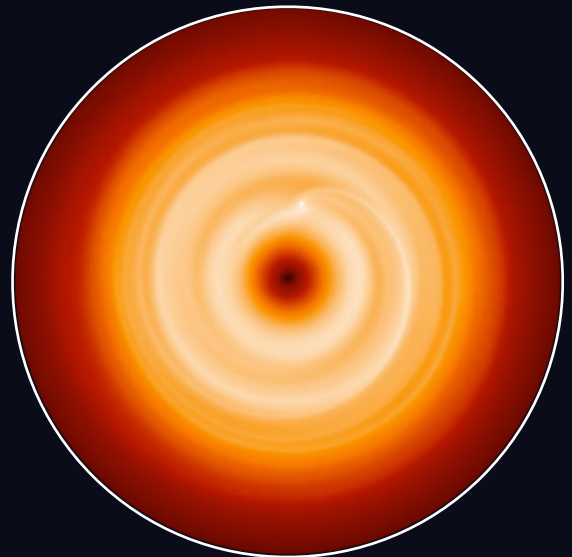
Going from a gravitationally
unstable disc to a gravitationally
stable disc by



Warping the Disc



Introducing a $3M_{\text{Jup}}$ Planet



Spiral structures due to gravitational instabilities are suppressed
yielding an axisymmetric disc