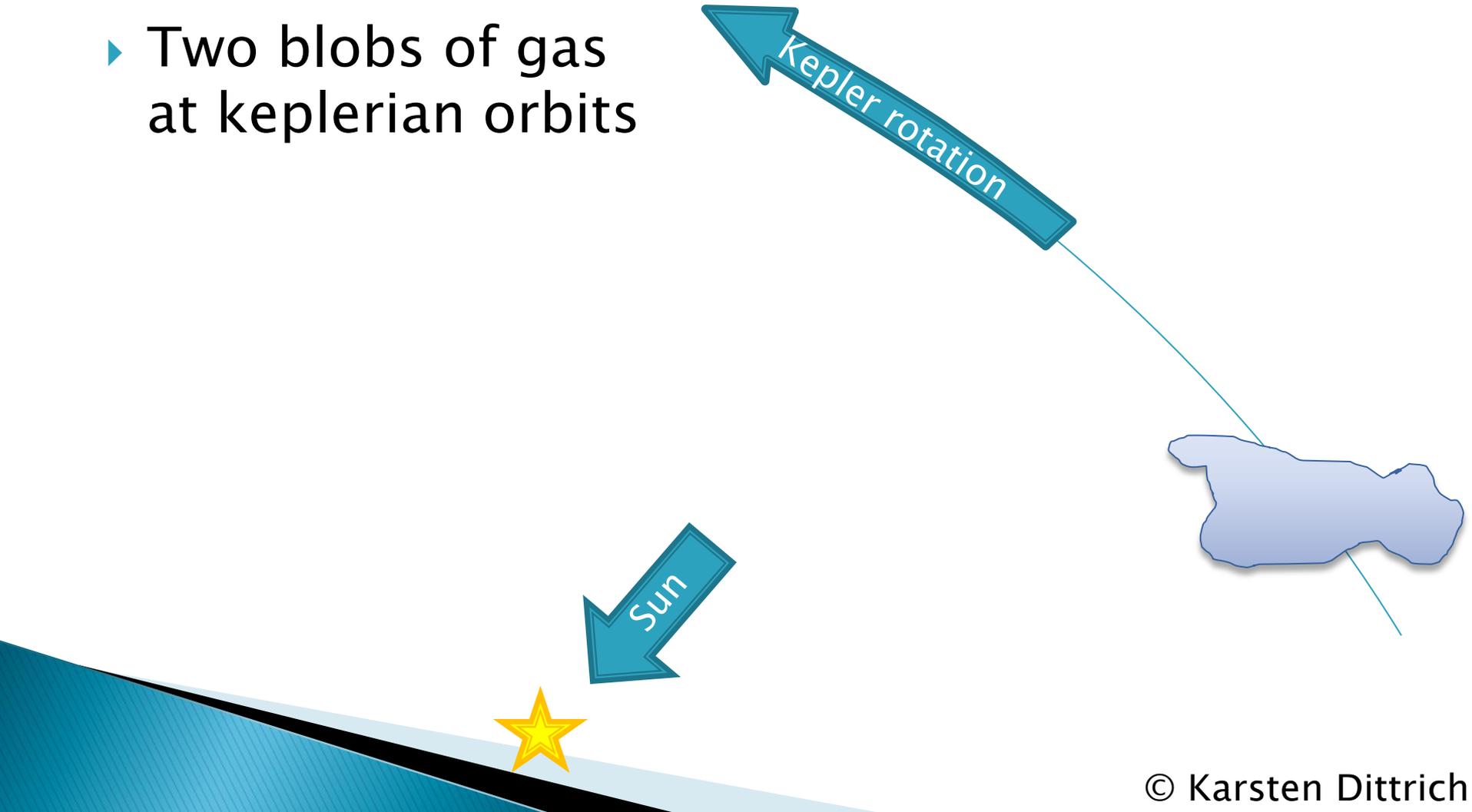


The Magneto-Rotational Instability (MRI)

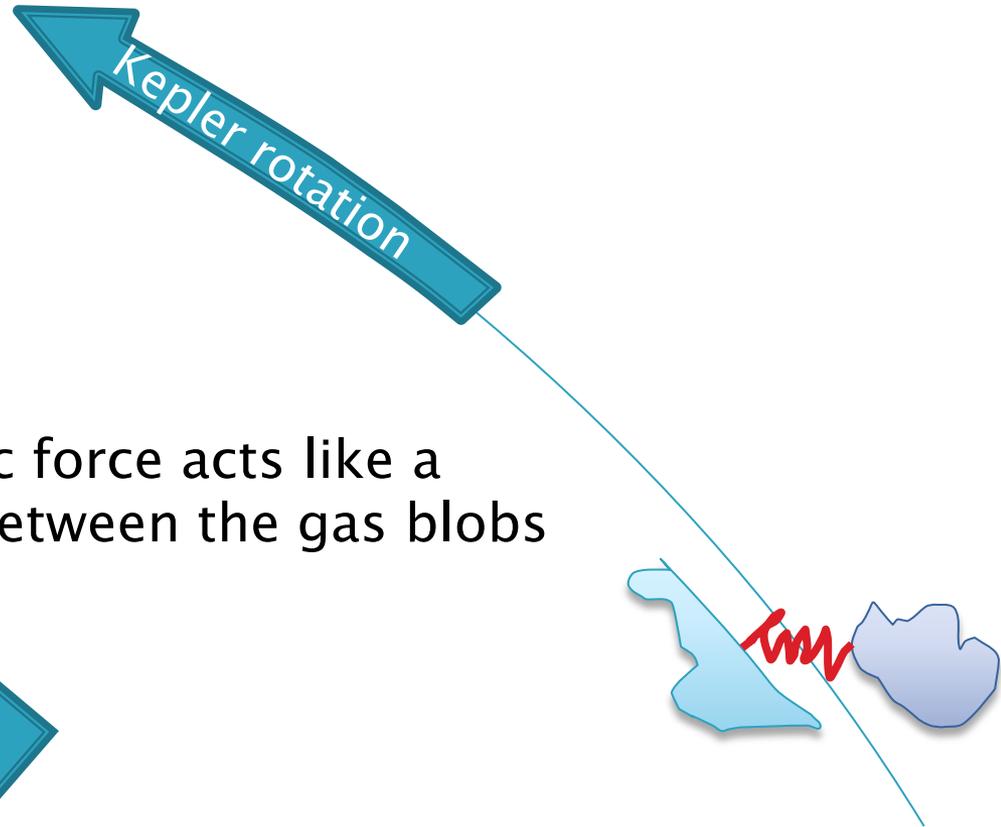
- ▶ Two blobs of gas at keplerian orbits



The Magneto-Rotational Instability (MRI)

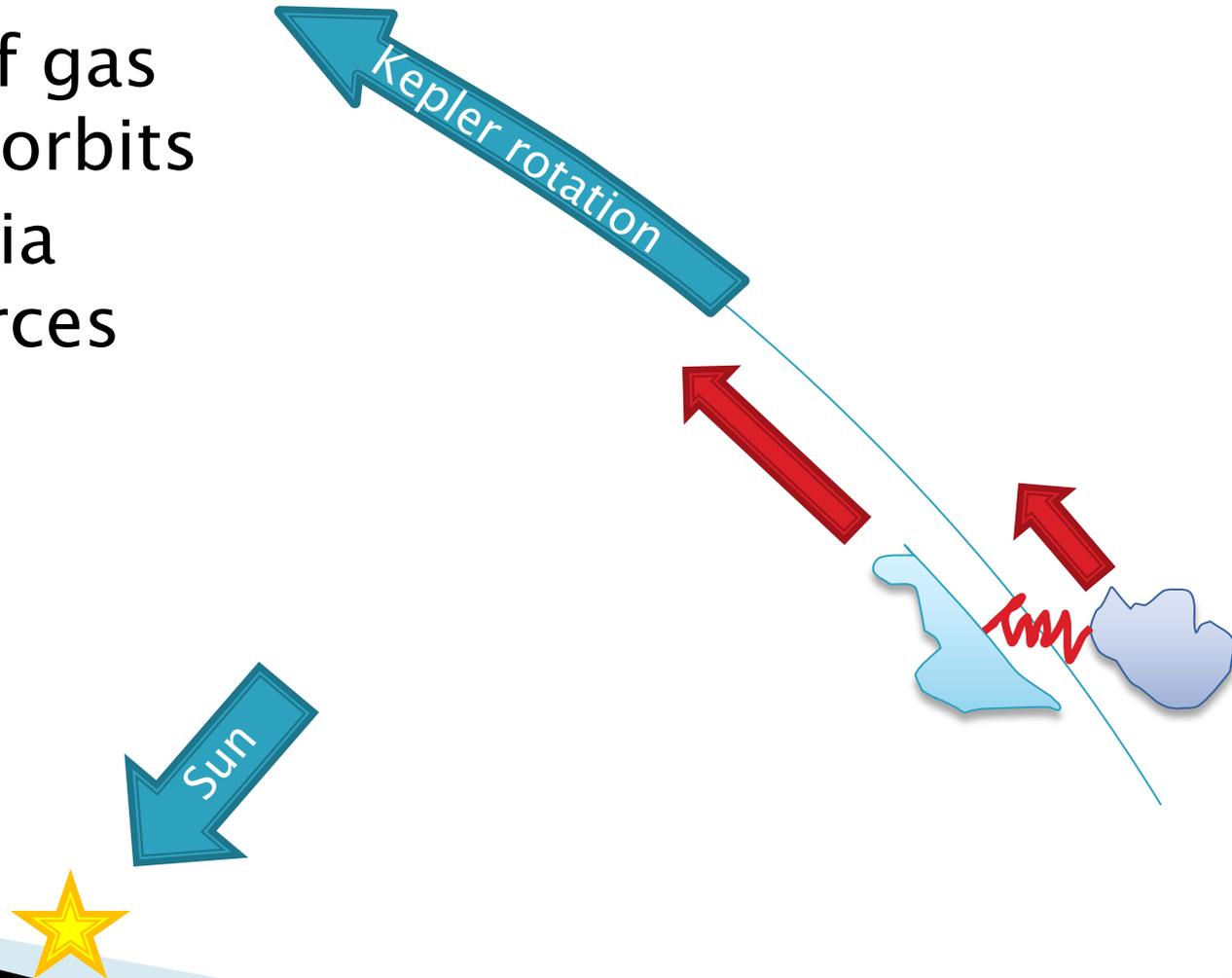
- ▶ Two blobs of gas at keplerian orbits
- ▶ Connected via magnetic forces

Magnetic force acts like a spring between the gas blobs



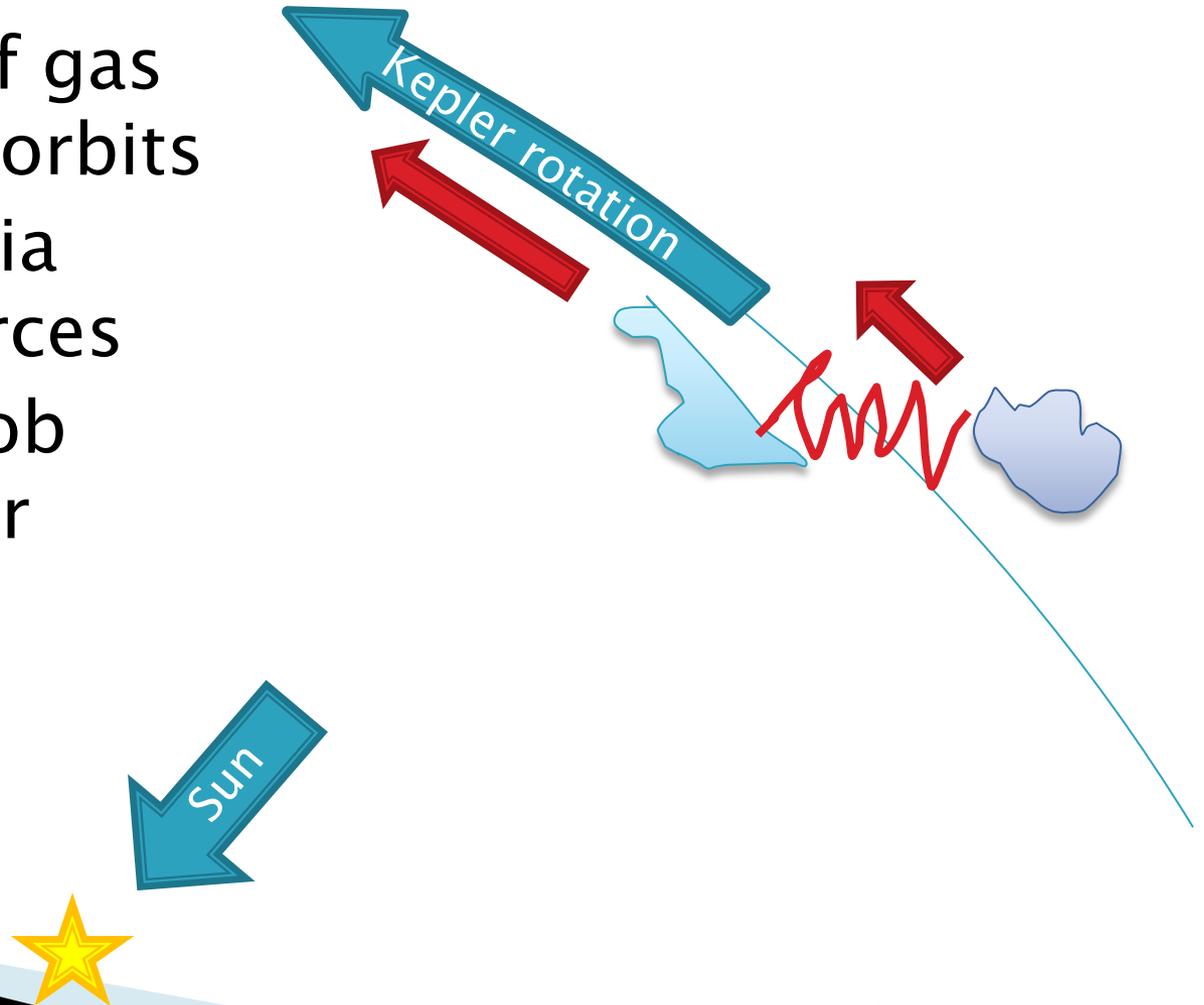
The Magneto-Rotational Instability (MRI)

- ▶ Two blobs of gas at keplerian orbits
- ▶ Connected via magnetic forces



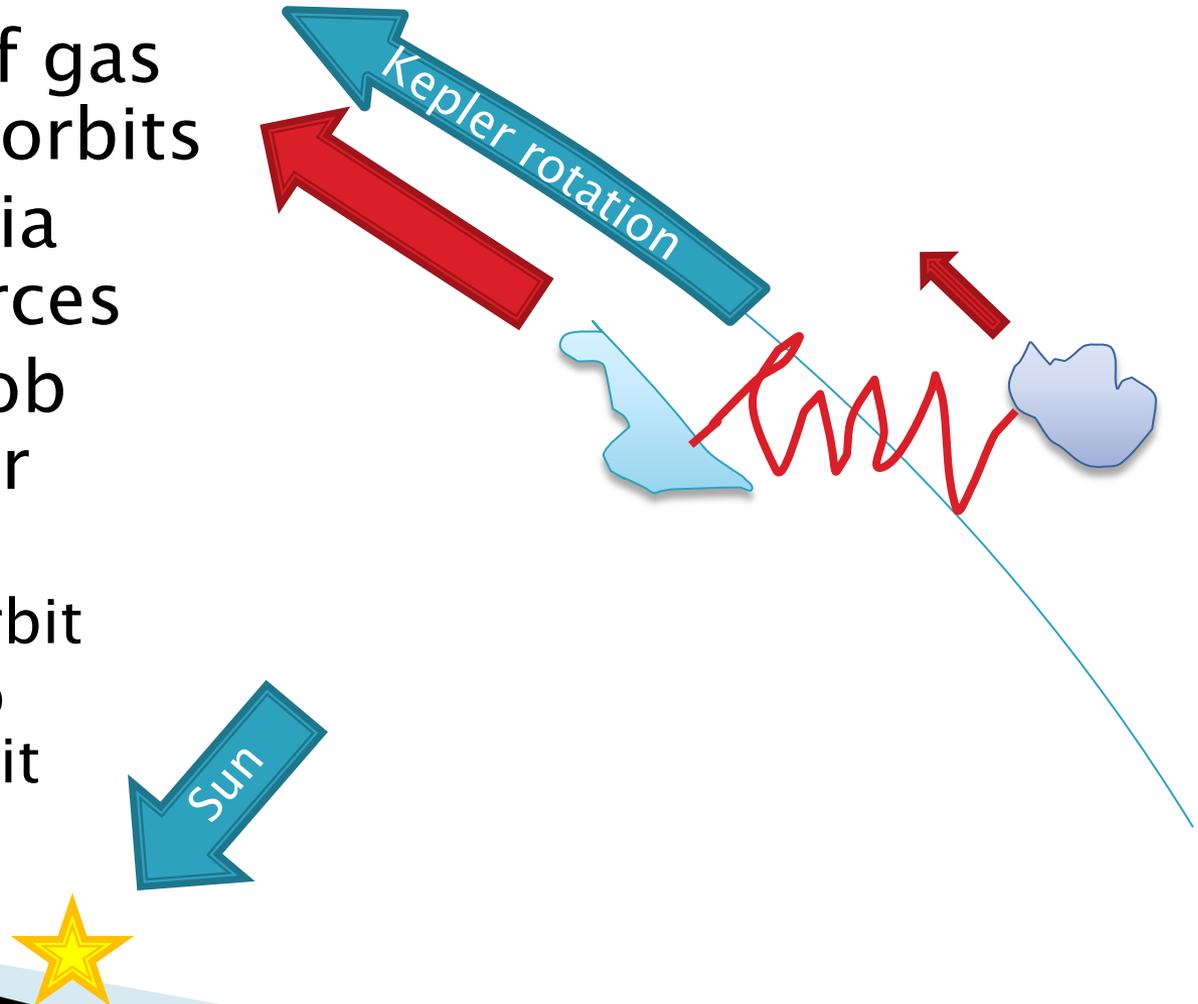
The Magneto-Rotational Instability (MRI)

- ▶ Two blobs of gas at keplerian orbits
- ▶ Connected via magnetic forces
- ▶ Inner gas blob loses angular momentum



The Magneto-Rotational Instability (MRI)

- ▶ Two blobs of gas at keplerian orbits
- ▶ Connected via magnetic forces
- ▶ Inner gas blob loses angular momentum
 - Decreases orbit
 - Speeds up to maintain orbit



The Magneto-Rotational Instability (MRI)

- ▶ If you want to use this animation in your presentation, please contact me:
- ▶ <mailto:dittrich@mpia.de>