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**Title:** The Introduction to pressure-anisotropy-driven instabilities

**Abstract.**

1. Kinetic description of a magnetised plasma
  - 1.1 Moment equations
  - 1.2 Gyrotropy
  - 1.3 CGL equations
  - 1.4 Magnetic field
  - 1.5 Physical origin of the pressure anisotropies
  - 1.6 Pressure anisotropies as a free-energy source
2. Firehose instability
  - 2.1 Linear theory at long wavelengths
  - 2.2 Quasilinear theory
  - 2.3 Gyroviscous regularisation at short wavelengths [time permitting]
  - 2.4 Gyrothermal instability [time permitting]
3. Mirror instability
  - 3.1 Linear theory at long wavelengths
  - 3.2 Nonlinear theory [time permitting]
4. Reduced description of low-frequency plasma dynamics in the presence of pressure anisotropies [time permitting]
  - 4.1 Alfvénic fluctuations
  - 4.2 Compressive fluctuations