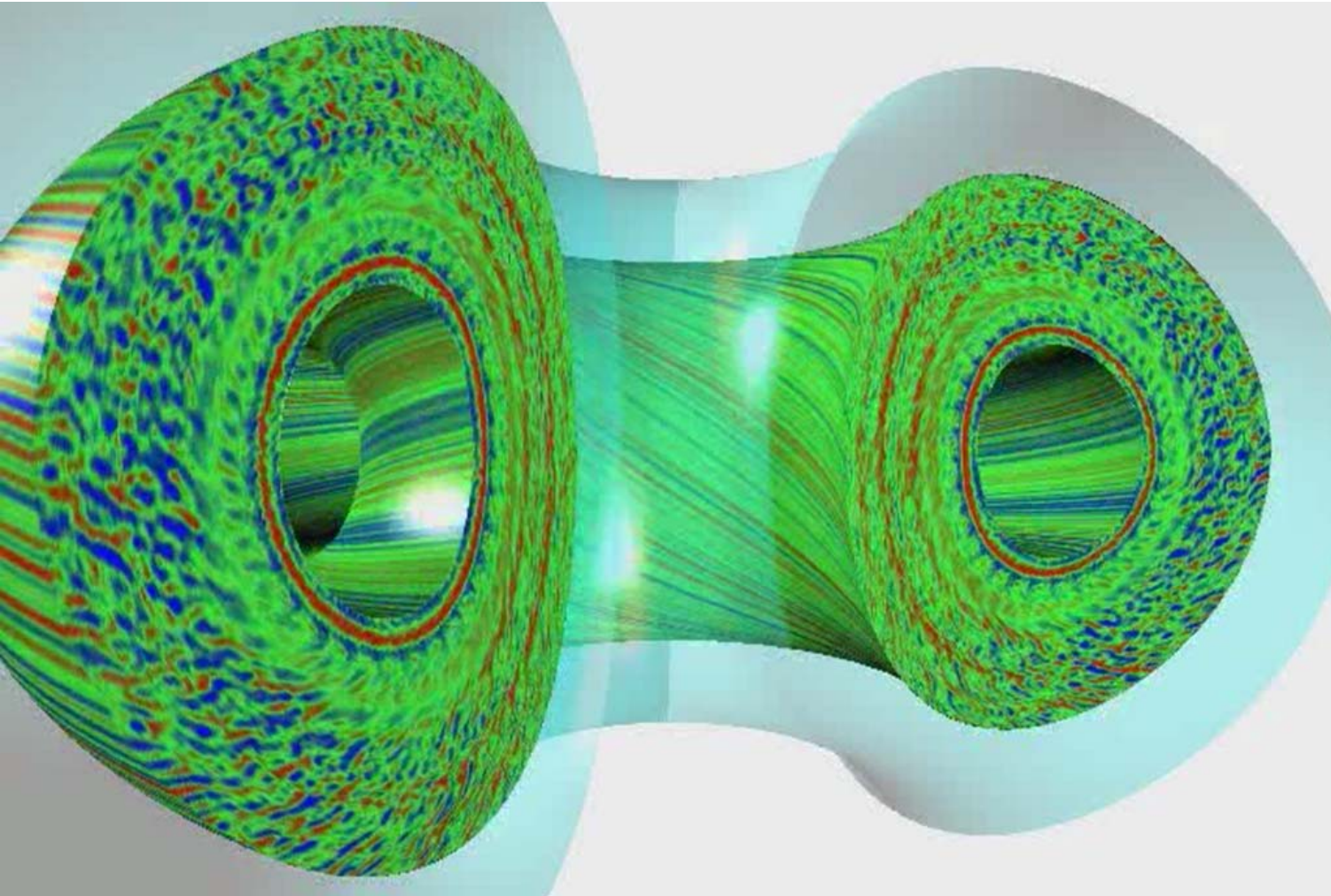


# 5-D Gyrokinetic Simulation of Tokamak Plasma Turbulence with Candy & Waltz GYRO Code



Another example of complex plasma behavior.

Movie of density fluctuations from GYRO simulation  
<http://fusion.gat.com/THEORY/images/0/0f/N32o6d0.8.mpg>  
from <http://fusion.gat.com/theory/Gyromovies>

Waltz, Austin, Burrell, Candy, PoP 2006

500 radii x 32 complex toroidal modes (96 binormal grid points) x 10 parallel points along half-orbits x 8 energies x 16  $v_{||}/v$ , 12 hours on ORNL Cray X1E with 256 MSPs