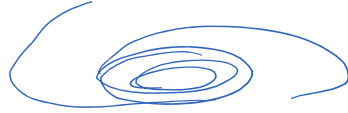


Milky Way Notes

February 19, 2015 9:20 AM

- our galaxy → spiral



- 400 billion stars of different temperature and magnitude
- 100,000 ly across
- our star (sun) is 26,000 ly from centre
- galaxy centre has a 3.6 mill solar mass black hole; stars move around the black hole 3 million mi/h (10x faster than normal)
- sun orbits galaxy in 225 mill years (792,000 km/h or 495,000 mi/h)
- light moves at 670 mill mi/h or 1.09 bill km/h
- many/most stars have planets (1500+)
- next closest galaxy is Andromeda (2 mill ly away); eventually will collide with the Milky Way
- Milkyway is part of the local group, which is part of a cluster, which is part of a super cluster of galaxies