Stefan Knott
Inclass Exercises

Dataset 1:
Data File Name: localhost:/home/stefan/Downloads/Week05_Datasets/In-Class/galaxy0000.silo
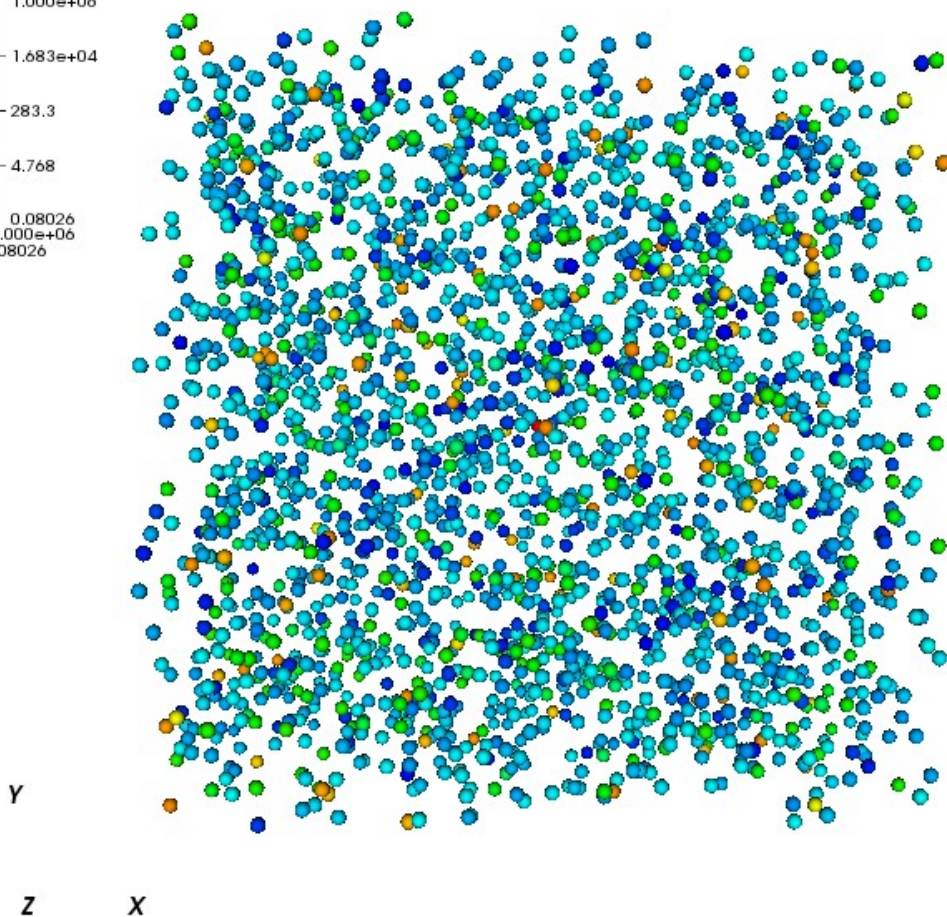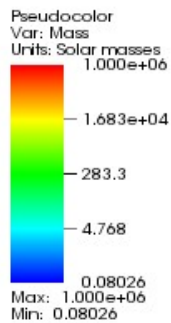Database Comment: VisIt galaxy dataset
File Format: Silo_1.0
Mesh Type: Point Mesh
Spatial Dimensions: 3
Topological Dimension: 0
Names of Scalars: Mass, Matnos, vx, vy, vz

DB: galaxy0000.silo
Cycle: 0

Pseudocolor
Var: Mass
Units: Solar masses
1.000e+06

1.683e+04

283.3

4.768

0.08026
Max: 1.000e+06
Min: 0.08026

Y

Z   X

user: stefan
Tue Feb 16 14:21:48 2016

Dataset 2:
Data File Name: localhost:/home/stefan/Downloads/Week05_Datasets/In-Class/curv3d.silo
File Format: Silo_1.0
Mesh Type: Curvilinear Mesh
Spatial Dimensions: 3
Topological Dimensions: 3
Spatial extents: ((-5,5), (0,5), (0,30))
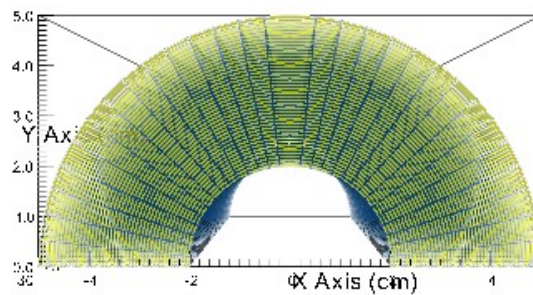Names of Scalars: d, p, t, u, v, w
Names of Expressions: val, speed, mesh_quality(many), vel_magnitude

DB: curv3d.silo
Cycle: 48   Time:4.8

Mesh
Var: curvmesh3d

Pseudocolor
Var: t
5487.

4117.

2747.

1376.

6.000
Max: 5487.
Min: 6.000

5.0
4.0
3.0
Y Ax
2.0
1.0
0.0
-3.0   -1   -2   0 X Axis (cm)   4

Y

Z   X

user: stefan
Tue Feb 16 14:28:27 2016

Dataset 3:
Data File Name: localhost:/home/stefan/Downloads/Week05_Datasets/In-Class/tubeflow.plt
Database Comment: [Tecplot binary file v75] Dataset
File Format: Tecplot_1.0
Mesh Type: Unstructured Mesh
Spatial Dimensions: 3
Topological Dimensions: 3
Scalar Names: X, Y, Z, RHO, RHO_U, RHO_V, RHO_W, E

Dataset 4:
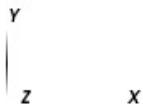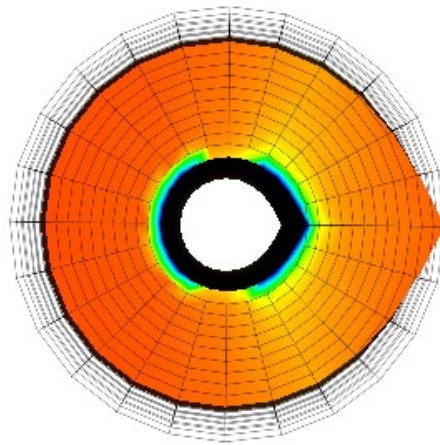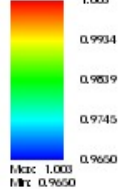Data File Name: localhost:/home/stefan/Downloads/Week05_Datasets/In-Class/noise.silo
Database Comment: VisIt noise dataset
File Format: Silo_1.0
Mesh Type: Rectilinear Mesh
Spatial Dimensions: 3
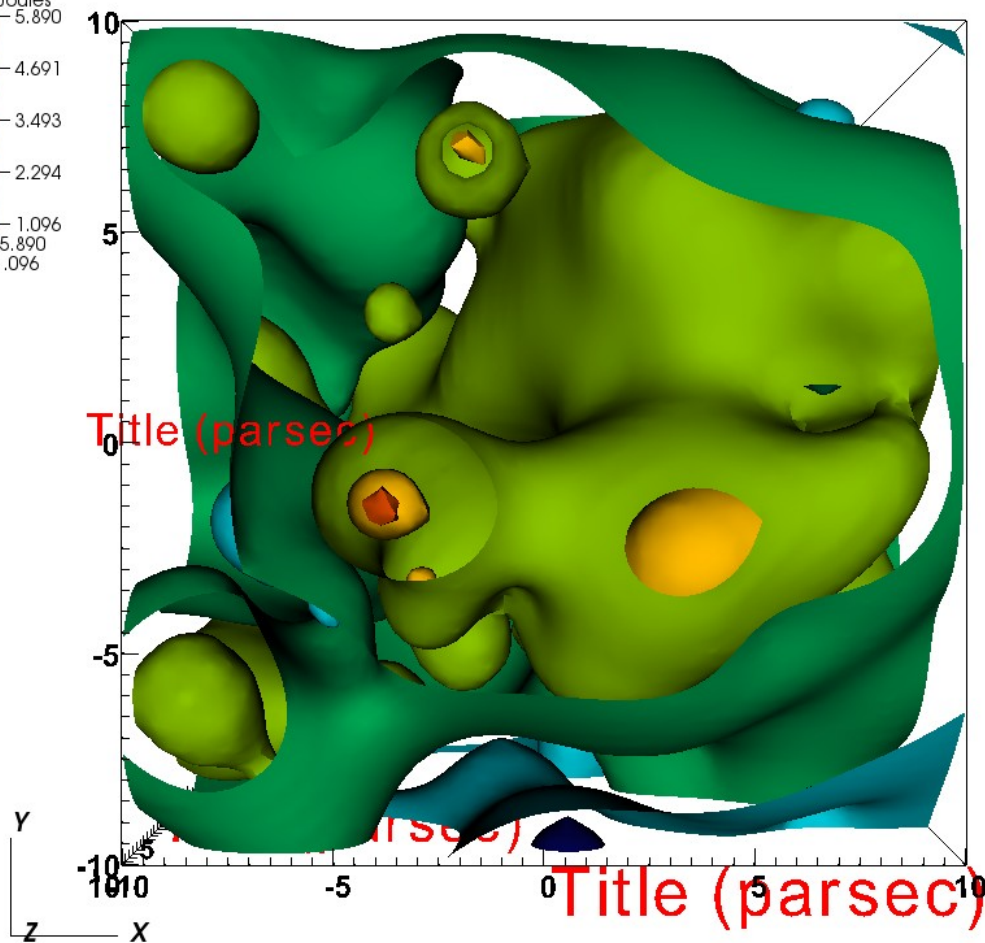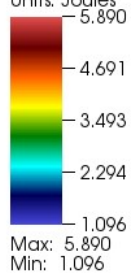Topological Dimensions: 3
Spatial Extents: ((-10,10), (-10,10), (-10,10))