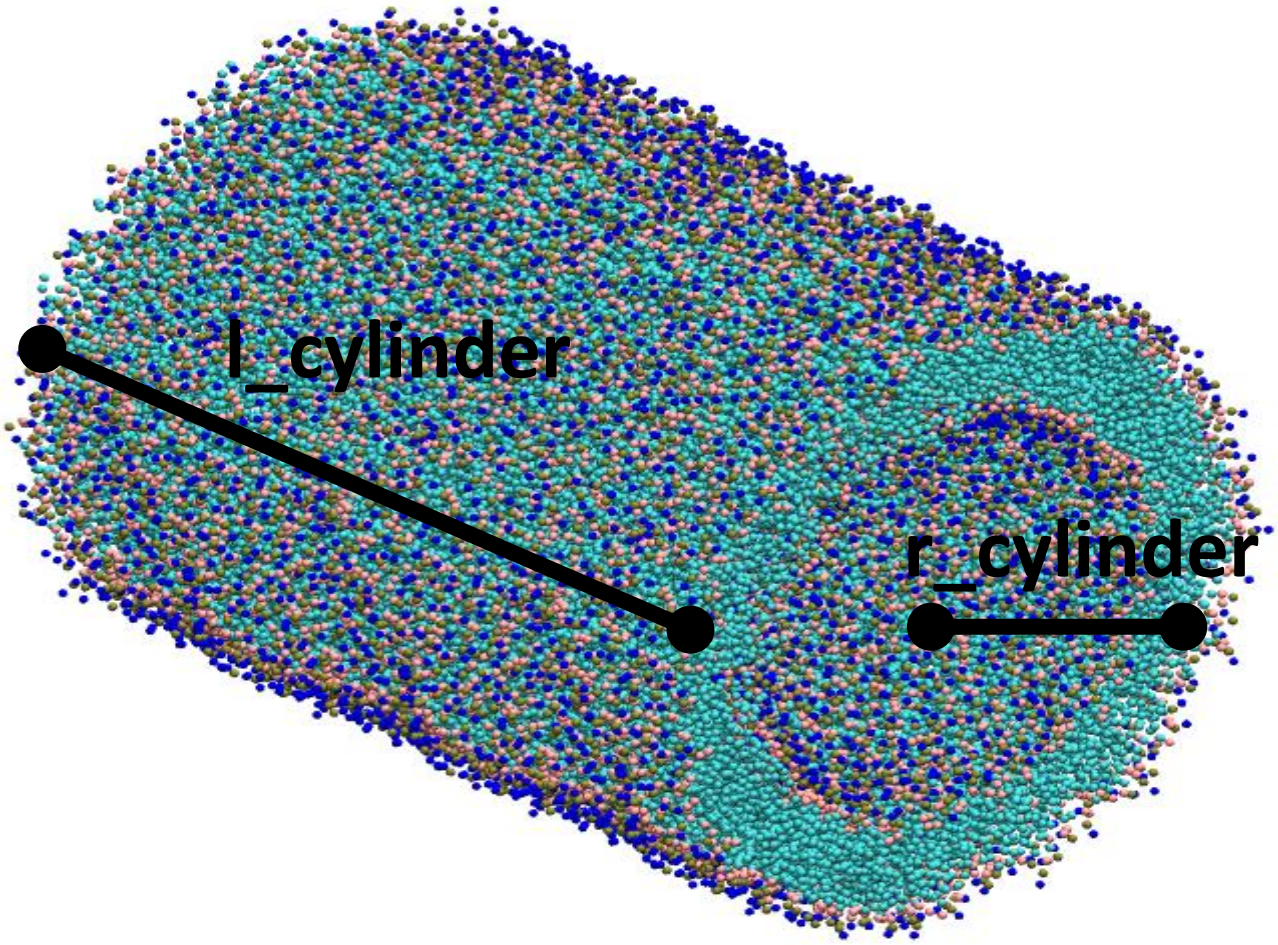
Cylinder



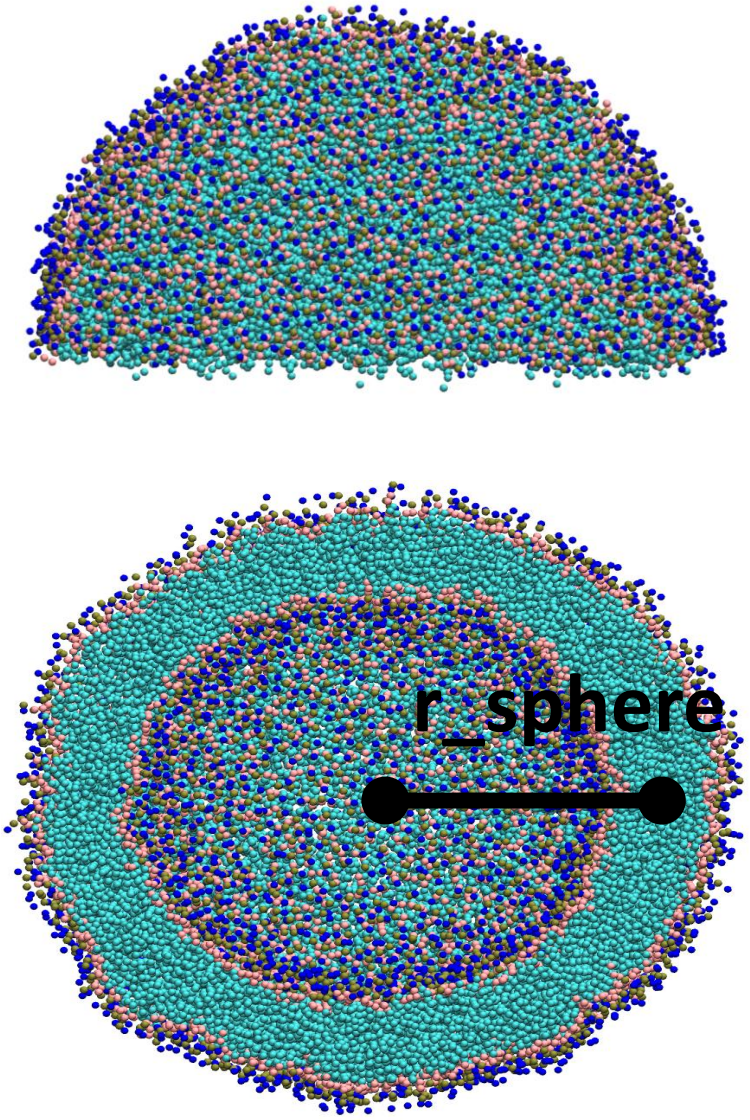
Parameters

- r_cylinder
- l_cylinder

Notes

- One of 3 base shapes
- Periodically connected in x dimension
- ¼ cylinder is a flat junction

semisphere



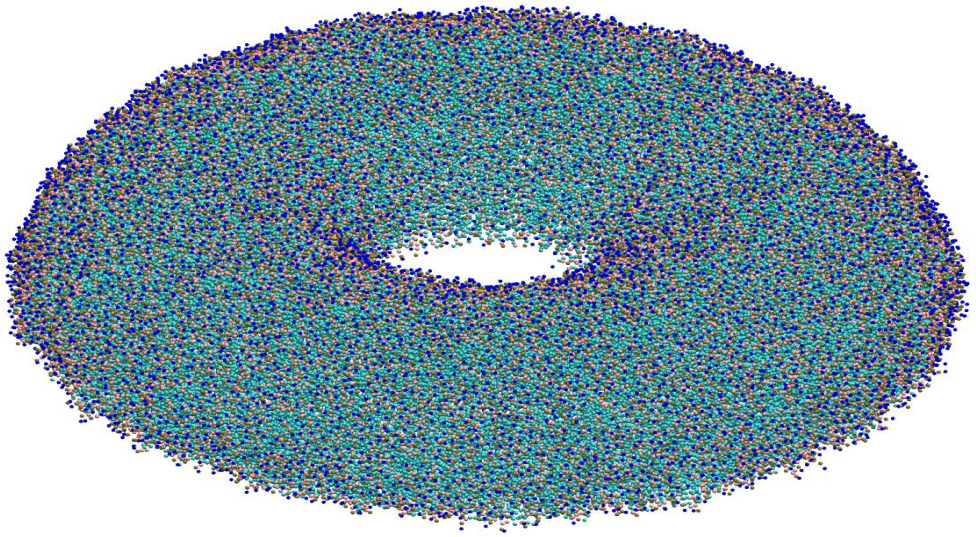
Parameters

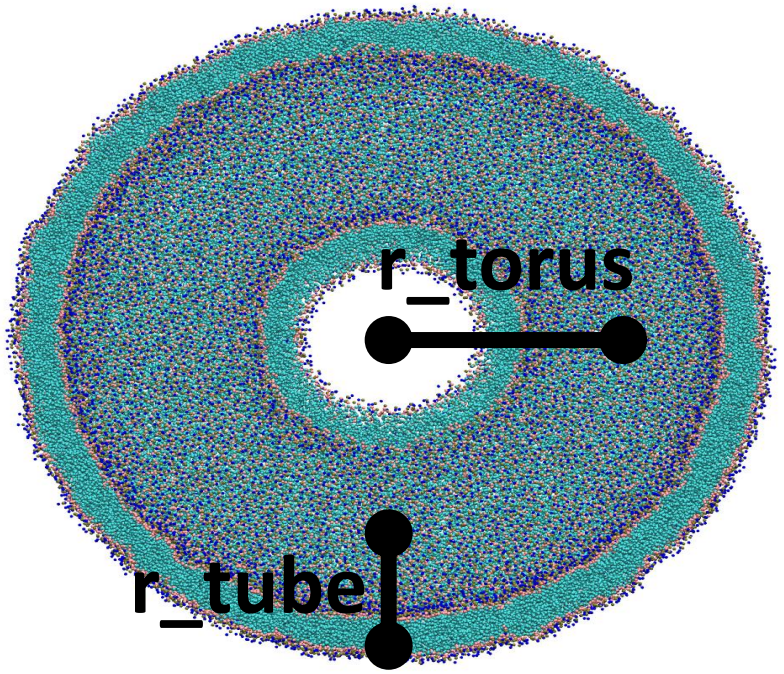
- r_sphere

Notes

- One of 3 base shapes
- Can cap cylinders

Partial torus





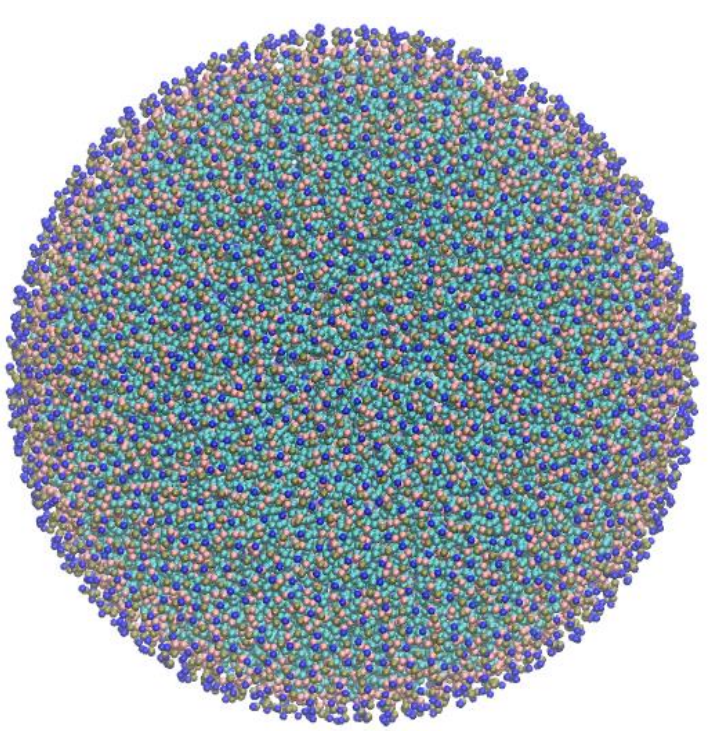
Parameters

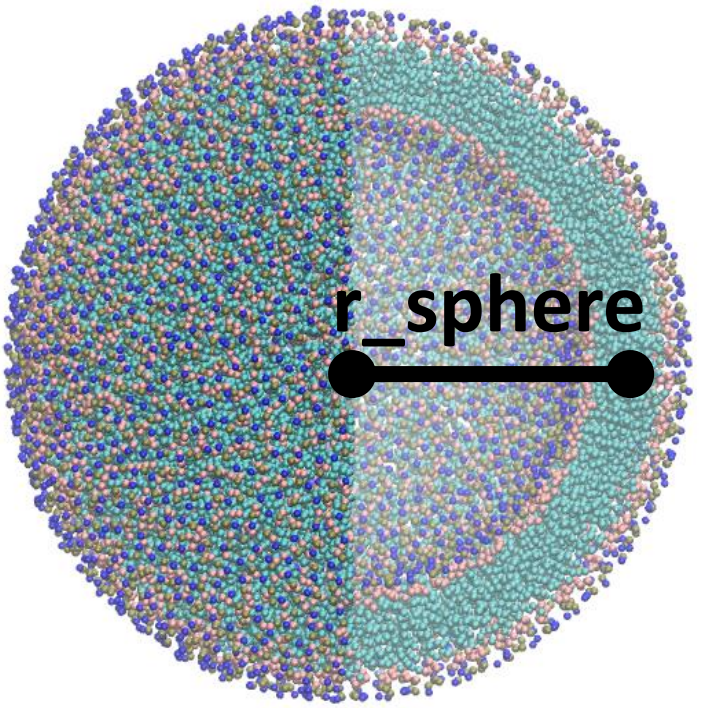
- r_torus
- r_tube

Notes

- One of 3 base shapes
- r_tube < r_torus, otherwise won't be a ring torus
- ¼ torus is a toroidal junction

sphere



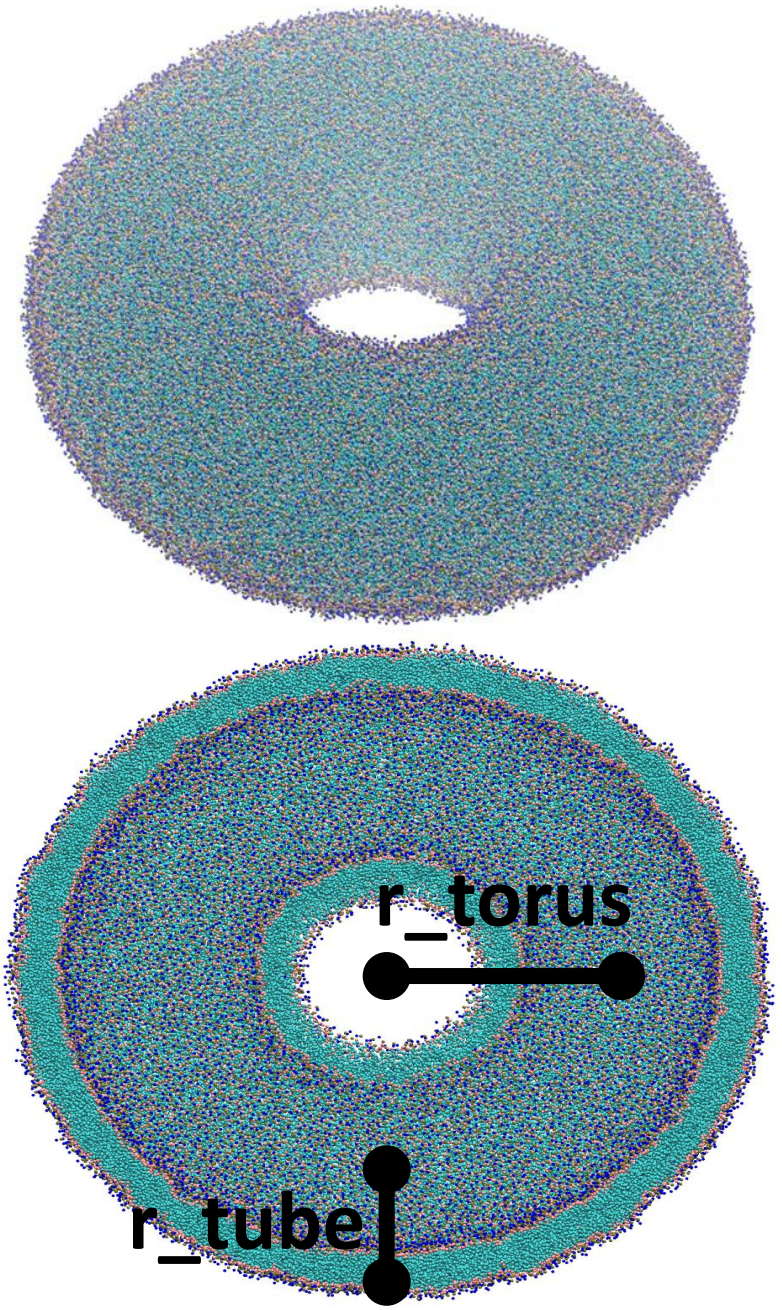


Parameters

- r_sphere

Notes

torus



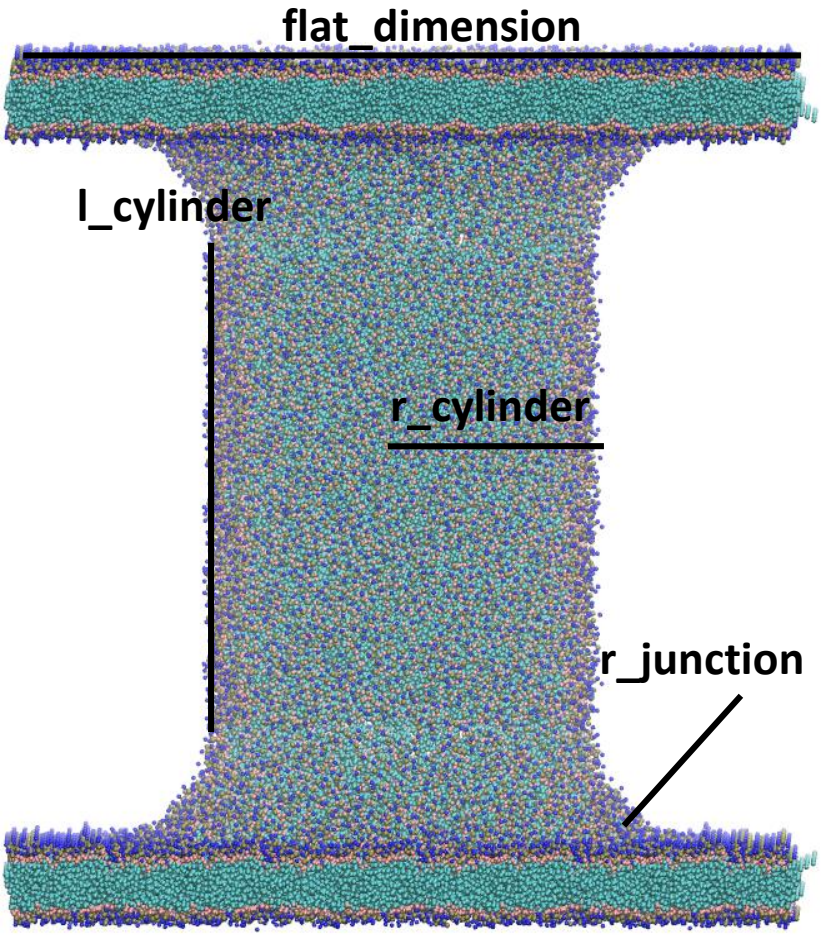
Parameters

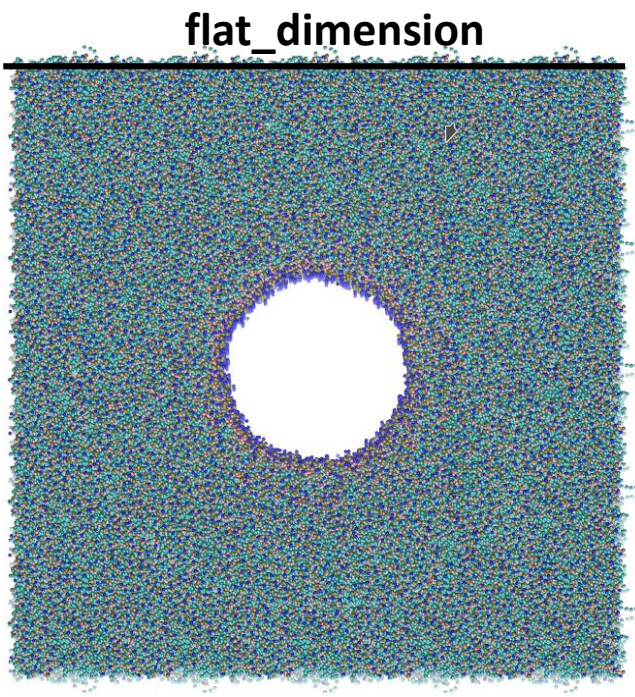
- r_torus
- r_tube

Notes

- r_tube < r_torus, otherwise won’t be a ring torus

double_bilayer_cylinder





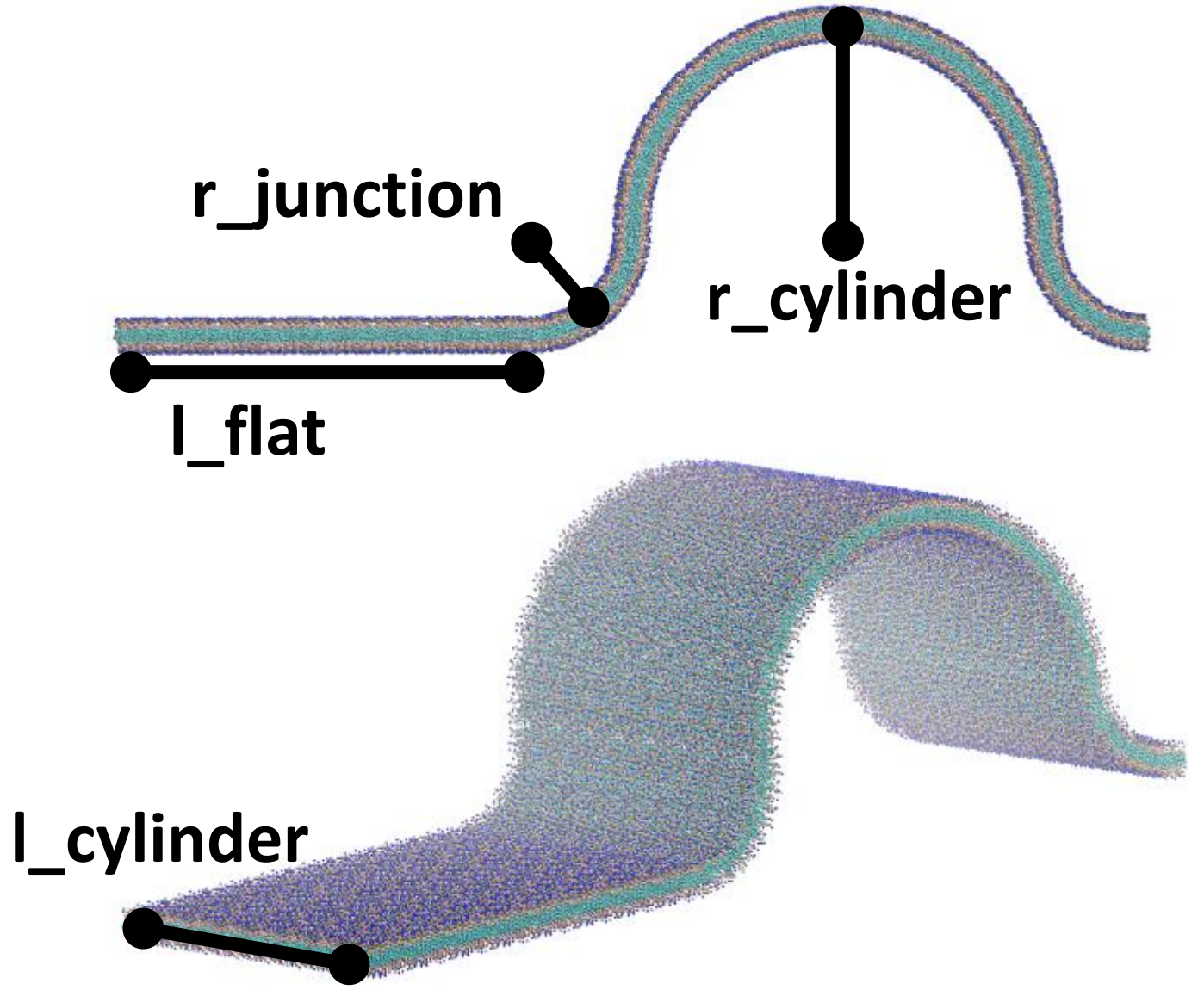
Parameters

- r_cylinder
- l_cylinder
- r_junction
- flat_dimension

Notes

- The “outer” (top) leaflet is considered to be the first leaflet encountered from the top of the box, contiguous with the INSIDE of the cylinder
- The water box above, below, and in the cylinder is discontinuous with the water-box outside of the cylinder

semicylinder_plane



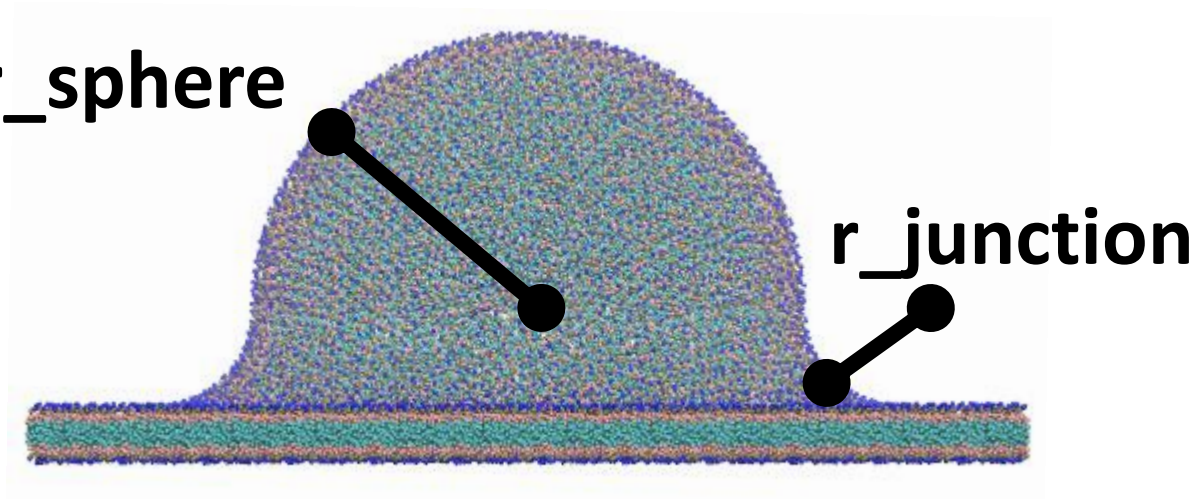
Parameters

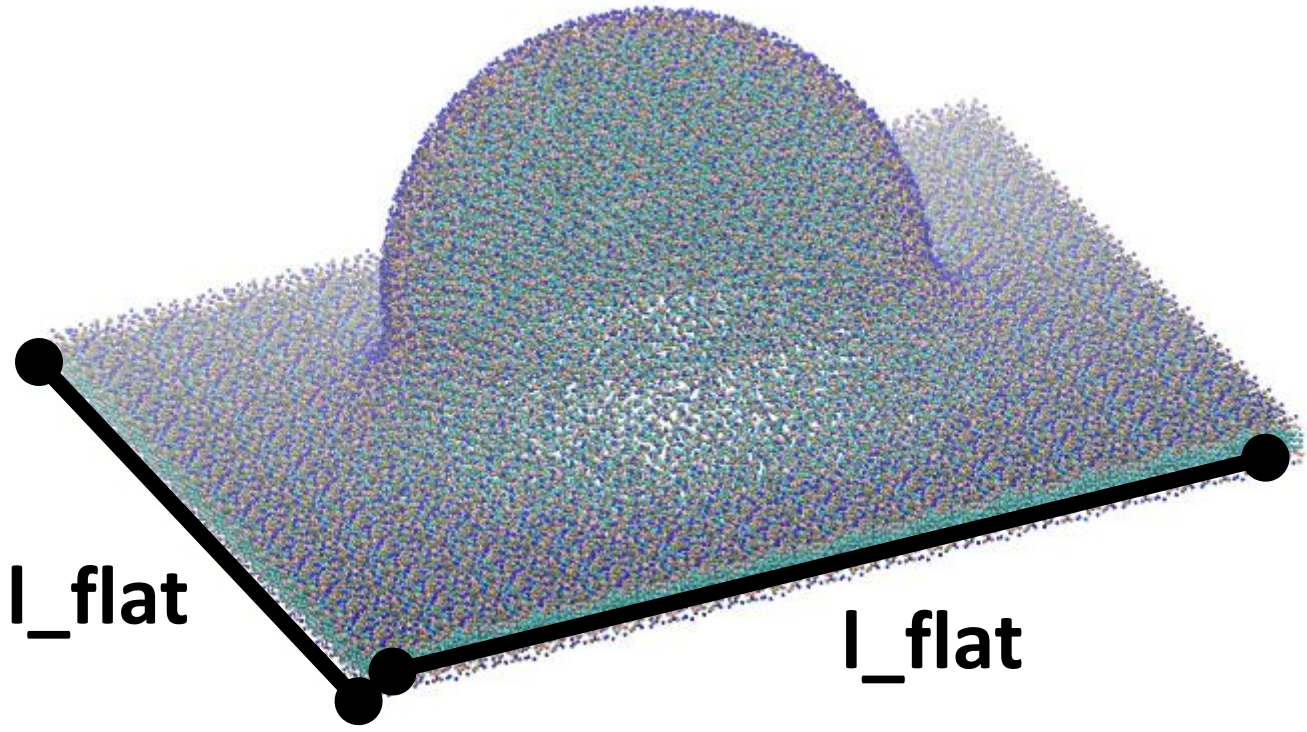
- r_cylinder
- l_cylinder
- r_junction
- l_flat

Notes

- Periodically constrained in x and y dimensions

semisphere_plane





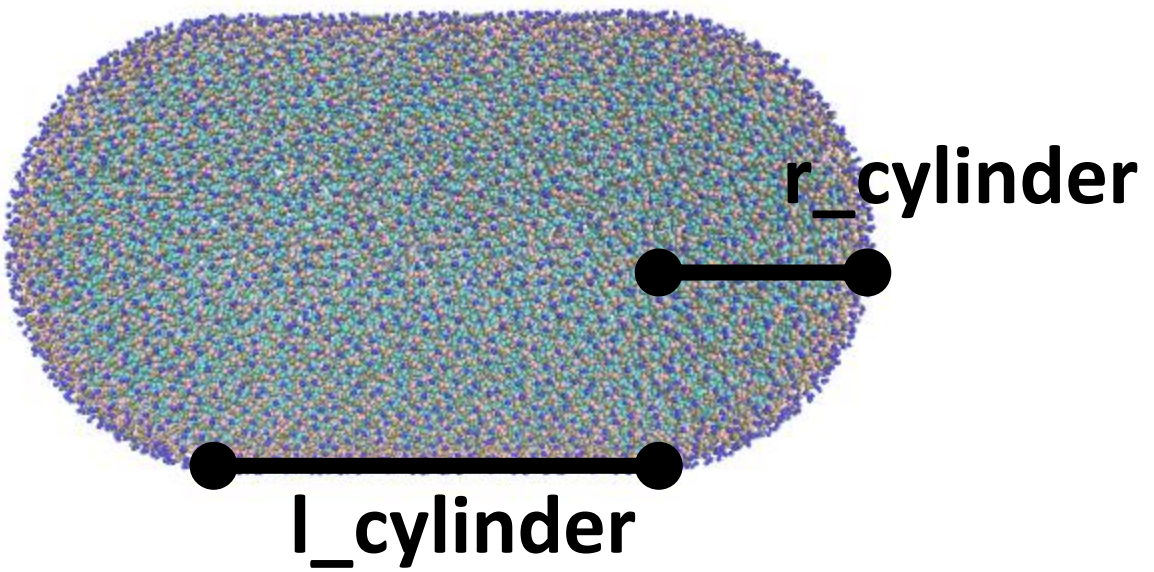
Parameters

- r_sphere
- r_junction
- l_flat

Notes

- Periodically constrained in x and y dimensions
- l_flat applies to both x and y dimensions

capped_cylinder



Parameters

- r_cylinder
- l_cylinder

Notes

- The radius of the spherical cap is dictated by the radius of the cylinder