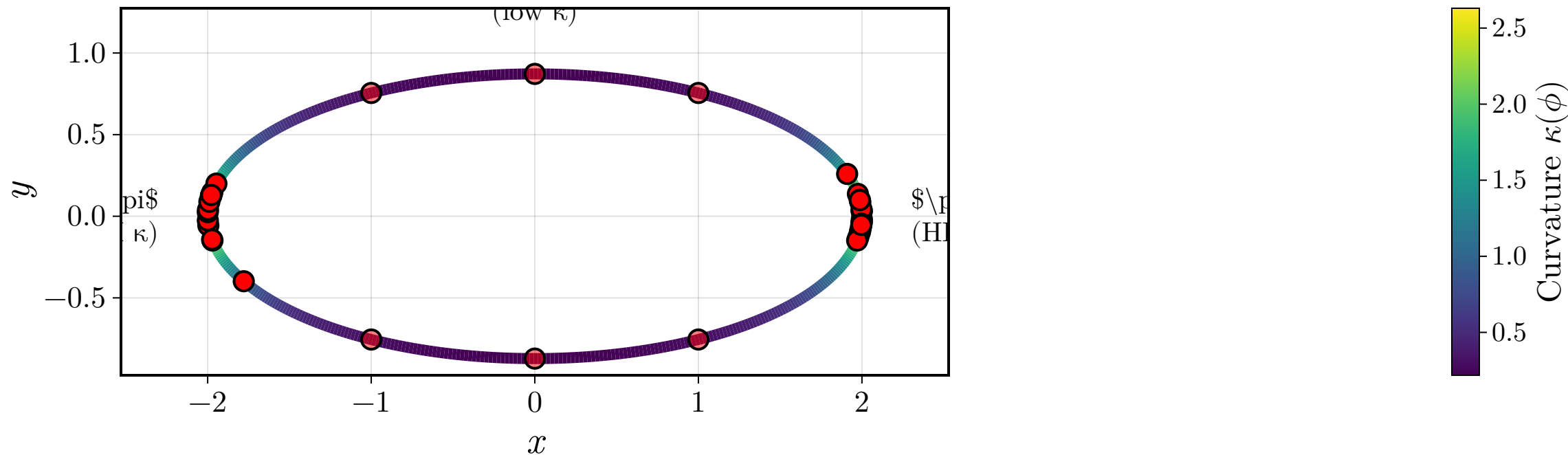


# Hard-Sphere Particles on Elliptical Manifold

- Parameters:
- $N = 40$  particles
  - Semi-axes:  $a = 2.0$ ,  $b = 0.87$
  - Eccentricity:  $e = 0.9$
  - Elastic collisions
  - Energy conservation:  $\Delta E/E_0 \sim 10^{-9}$



## Metric Tensor Component

