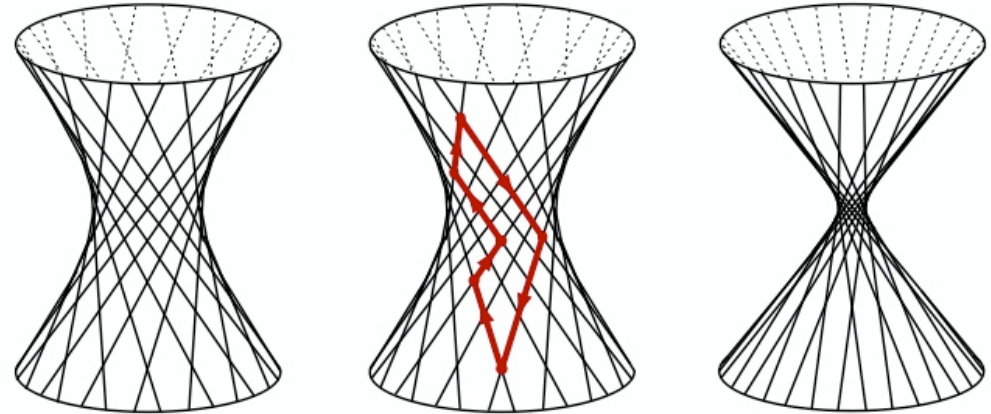


**Q5: Are we confident that quantum spin microscopy will work?**

**A5: QMOR's Kähler geometry is well-suited for numeric calculations**

- **The Kähler-manifold state space has coordinate integral curves that are Hilbert-space geodesics**



$$\langle \delta\Psi | H - i\partial_t | \Psi \rangle = 0$$

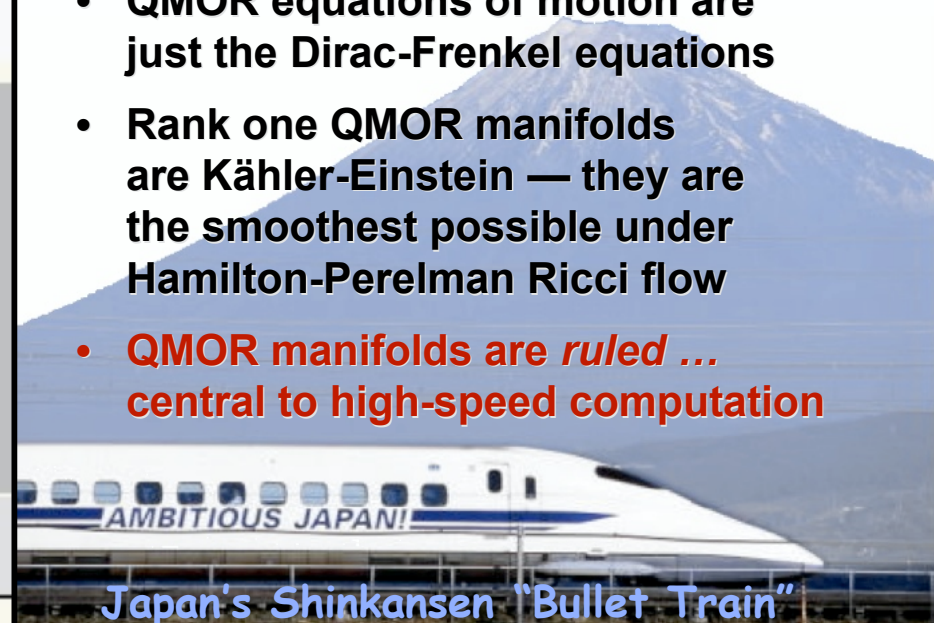
Compute the Riemann tensors

```
RGtensors[g//Together, coordList]
```

```
gUU computed in 0.027294 sec  
Gamma computed in 0.038872 sec  
Riemann(dddd) computed in 0.056319 sec  
Riemann(Uddd) computed in 0.04937 sec  
Ricci computed in 0.00984 sec  
Weyl computed in 0.141473 sec  
Einstein computed in 0.002756 sec
```

**Einstein Space**

- **QMOR equations of motion are just the Dirac-Frenkel equations**
- **Rank one QMOR manifolds are Kähler-Einstein — they are the smoothest possible under Hamilton-Perelman Ricci flow**
- **QMOR manifolds are ruled ... central to high-speed computation**



Japan's Shinkansen "Bullet Train"