

Assignment #10

1. How does a spacetime substantivalist explain inertial forces?
2. How does Newton explain the rotational motion of his bucket? How does Mach explain it?
3. What is Mach's Principle? In what sense does General Relativity support Mach's Principle? In what sense does General Relativity *not* support Mach's Principle?
4. *In your own words* explain how you could argue that the symmetries associated with the Einstein equations entail that general relativity is not deterministic.