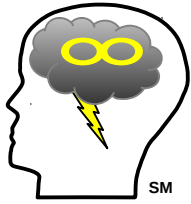


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Newton – Carrier of the Advanced Titan Spaceship

A Communication of the Intractable Studies Institute

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Carrier ship purpose and requirements

1. The Newton is the name of the mother ship of the Titan. Its purpose is critical: to send out a replacement Titan ship when the one out there is destroyed or becomes inoperable, inaccessible, unresponsive, or lost.

2. This is the secondary robustness system for the Titan. The Titan already has its self-repair system OSCAR. But catastrophic damage like collision with an asteroid can destroy the Titan to the point that no amount of repair can fix it. The mother ship steps forward and releases a replacement Titan ship complete with a robot with the latest computer backup from the last sync with the Titan. In this way the Titan and its robot pilot are immortal.

3. The Newton harvests raw materials from space.

4. Robust Self-repairing - Both the internal ship parts and the exterior skin of the mother ship need to be self-repairing because accidents and meteoroid damage will occur on a mission this long. The OSCAR Mech architecture is the ideal candidate for this level of robust-ness. Plans for constructing a Newton are aboard each Titan in case the Newton itself is destroyed.

5. Size – The Carrier mother ship needs to be big enough to contain raw materials to 3-D print Titan ships, and otherwise assemble the remaining pieces that can't be printed. It must be able to keep 1 spare Titan always ready, and prints another when the ready one is released. This minimizes down-time of the Titan in the field.

6. Motion Engine – The main engine will be the gravity-drive for fast acceleration with canceled inertial effects. The secondary engine is EmDrive.

Newton – Mother-ship of the Advanced Titan Spaceship.

