

Space Distortion Drive System

Designer: Lorath Occhestian Caste

Information: A FTL drive system reliant upon spatial distortion through the use of focused energy patterns.

Upgraded system information: [Enhanced Subspace Wave Drive](#)

Technical Information

The Space Distortion Drive System is reliant upon a matter/anti-matter fuel system; the anti-matter fuel for this reaction is contained within a magnetically sealed container. The reaction of the matter and anti-matter is accomplished by a pair of injection devices, the matter injector works much like a simple fuel injector found in an internal combustion engine, meanwhile the anti-matter injector is lined with a series of magnetic seals and the tubing of the injector is insulated with a strong and focused magnetic field. The matter and anti-matter are allowed to combine inside of a reaction chamber lined with energy siphoning coils that are designed to absorb the radiated energy given off by the reaction from the matter/anti-matter mixture. The reaction is contained by another magnetic seal system, if the reaction is kept unchecked the magnetic containment system does have a potential to breach, and cause a ship destroying explosion. When the energy from the matter/anti-matter reaction is collected, it is then channeled directly to the drive system. The drive system is comprised of a series of specially formulated crystal-like rods that resonate at an ultra high frequency, as these crystals resonate they release a series of energy waves, these waves cause a reaction in the matter of the vessel the drive system is propelling, the reaction causes the atoms and molecules of the vessel to slip into a "sub-space" bubble that is confined within the area of the energy field given off by the crystal-like resonators. When the subspace bubble is in place the area around the vessel is also distorted, thus allowing the vessel to defy the consequences normally encountered by approaching or breaking the speed of light barrier. Motion of the vessel is achieved by a controlled manipulation of the subspace bubble causing a ripple in space behind the vessel; the ripple of normal space colliding with subspace causes a wave-like effect that pushes the space vessel along its path at speeds exceeding the speed of light. Due to the subspace distortion moving the vessel from normal space limitations, inertial effects are nullified, thus preventing the crew of the vessel from being made into red jelly against the bulkhead.

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