**EmDrive : The Future of Space**

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***Abstract* -EmDrive is a proposed controversial reaction less engine model that has been worked upon for over a decade by several space agencies around the world with finally the China Academy of Space Technology claiming to have successfully realized the design. These devices use microwaves, produced by high power vacuum tubes or solid-state field-effect transistor RF generators, which are directed into a metallic, fully enclosed conically tapered high *Q* resonant microwave cavity. They have a greater area at one end of the device and, for some versions, a dielectric resonator added in front of the narrower end. They require an electric power source to run the microwave generator, but no propellant. The resonant condition can cause an increased radiation pressure and quantized inertia which can ultimately produce significant thrust for the rocket in zero gravity. We have tried to simplify and explain its working which is often said to be against Newtonian physics. Ramifications of such an invention are huge as it not only saves expensive fuel, reduces harmful gas emissions, makes long distance expeditions possible but most importantly leads to the reduction of the dead weight fuel payload a rocket has to carry.**