

Propulsion of PNN prototype Sub321n4 for Mars



Roma, Lazio Mar 5, 2022 ([IssueWire.com](https://www.issuewire.com)) - A PNN REACTIONLESS Thruster for Mars

PNN prototype (March 2022) WITHOUT MASS EJECTION OF REACTION able to reach Mars in about 12 days (Terrestrial) and return to Earth orbit www.asps.it

The prototype PNN SUB321n4 is in continuous experimental progress where the "cart" in which there is the amplifier, the preamplifier, and the lithium batteries is shown.

Part of the lateral cooling system is also visible on the prototype container where the cooling circuit is.

With the addition of solar panels suitable for the purpose (now not present) and other lithium batteries, this prototype is able to reach Mars and recharge its batteries in Martian orbit and then to mound slowly to take samples of the soil and return to earth's orbit.

As we will illustrate in Nova Astronautica n.171 Vol.42 2022 to reach Mars many improvements will have to be applied and 4 prototypes of type Sub321n4 each with 2 degrees of freedom mounted on 4 maneuverable semi-axes must be used. Solar panels will have to be adapted for this purpose because they will be the only source for recharging lithium batteries. Of course, driving, telemetry, and remote control and driving systems will have to be included.

The possibility for the PNN to obtain enormous speeds is linked to the fact that the law of motion of the PNN is different. PNN does not have Newton's law of motion! Newton's law of motion with PNN transforms into this increasing curve:

www.asps.it/trustgra1.jpg.

In essential terms, the PNN thrust gradually increases over time with the same power output and is another physical world compared to the second law of Newtonian dynamics!

So the times of arrival on Mars are enormously shortened and everything happens, unlike missiles without losing a gram of mass with only electric power!

We estimate the arrival times from Earth's orbit to Martian orbit in about 12 days

An essential fact for this to occur is that the state of violation of the principle of action and reaction lasts over time, i.e. it is necessary to maintain the situation of thermal dissipation of heat (which F432 did not have) so that the prototype is not damaged during the non-Newtonian thrust.

The increase in thrust of the PNN involves the change over time of various parameters unknown to Newtonian mechanics.

In addition to the essential "duration" (due to the cooling circuit), the new prototype also includes control of the impedance variation in the thrust phase and control on the phase drift caused by the continuous variation of inertia.

The guiding criteria of PNN are also different from Newtonian mechanics. As mentioned it is another world to which we must adapt to change the paradigm in astronautics.

For some years we have said that we were working on this, but we were not believed

<https://pressitalia.net/2019/02/scienza-a-buon-punto-gli-esperimenti-per-un-drone-a-propulsion-pnn.html>

<https://trasferimentotec.wordpress.com/2019/02/06/scienza-testata-in-italia-la-propulsione-non-newtoniana-pnn-permetterà-di-esplorare-lo-spazio-con-piu-facilita/>

<https://www.issuewire.com/propulsione-non-newtoniana-pnn-reactionless-drive-non-newtonian-propulsion-1671957865603837>

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[APEC 7/31: Propulsione EM non newtoniana e superconduttori - Alternative Propulsion Engineering Conference \(altpropulsion.com\)](http://altpropulsion.com)

<http://www.asps.it/aaa2022en.htm> In 2019 we started to set up the structure of what we have already done with SUB321n4 <http://www.asps.it/takeoff.htm>

Many alleged PNN lenders have offered us nothing but chatter and waste of time for decades. Now they are invited not to disturb since we have achieved the essence of our project without their chatter and without their money.

Therefore, we will act alone, relying only on our strengths and on the potential ones of those who will join us for the purpose of marketing and improving the existing PNN

Let the skeptics continue to believe in the ridiculous missile suppositories based on Newtonian mechanics and in the useless waste of money to colonize the Moon and Mars with their arthritic propulsion systems.

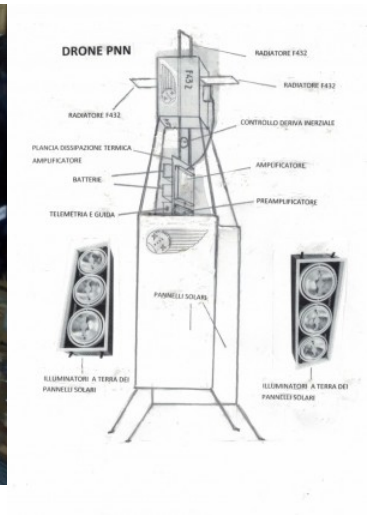
Let them continue with the losing mass propulsion of Elon Musk, NASA, and other agencies to colonize space. And for more than half a century they have boasted lunar and Martian colonizations that do not happen (Apollo 11 over 50 years ago)

Even if we have said it dozens of times we repeat it.

Only astronautics that does not lose mass can colonize outer space.

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Non Newtonian Propulsion (PNN)

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