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Author: Ms. Mays Hussein
Individual colaboration, Israel

FIRNAS FOR SOLVING THE PROBLEM OF SPACE DEBRIS.

Abstract

The use of FirNAs in the treatment of space debris is expected to lead to the prevention of the production of any new space debris, Making the disposal of existing debris feasible and making space orbits free from waste in the future. Also making the orbital cleaning operations a few if needed FirNAs will allow the return of satellites to the earth to be recycled or the purity and development, which is positively reflected on companies and space agencies in the low cost of satellite manufacturing and not losing precious components when they turn into waste, and making the recycling of space waste is realistic and economically feasible.

Expected results: 1. Not to leave space waste when launching FirNAs into space because the launch stages are much less than the currently used stages. FirNAs and its load are properly restored to Earth and are not left in space to become space debris. 2. FirNAs is working to protect the satellite from other wastes that could be intercepting and destroying the satellite. 3. The restoration of FirNAs and the satellite inside, allows the relevant authorities to reuse FirNAs once again to launch another satellite 4. Which is reflected in reduced financial costs and waste of resources. 5. Properly restoring the satellite allows the relevant parties to recycle valuable and important elements or to develop the satellite, introduce modern equipment on some of its sections and relaunch its path in space using FirNAs. 6. FirNAs allows the satellite to be returned to Earth in case of any malfunction, allowing maintenance to be carried out and re-sent to space. 7. FirNAs works to reduce the accumulation of space debris, making the current debris removal process more efficient and maintaining efforts to remove these debris by not leaving new debris.