AMERICAN JOURNALS
Open Access, Peer Reviewed Journals

American Journal of Technology and Applied Sciences
ISSN (E): 2832-1766| Volume 17, | October., 2023

THE IMPORTANCE OF AEROSPACE INSTRUMENTS IN THE RESEARCH OF EARTH TYPES

Lazizbek Qosimov
Assistant, Fergana Polytechnic Institute, Fergana, Uzbekistan

ABSTRACT

Aerospace instruments are critical tools of great importance in the study of the Earth's crust. These devices are used to collect information about the earth's atmosphere, oceans, horizons, strange areas and many others. These devices are used for space flight, earth tracking and other quality data acquisition. The study of land categories helps to study the world's climate changes, atmospheric hardness, natural resources and many other important information. This abstract discusses in detail the importance of spacecraft in the study of the Earth's crust.

KEYWORDS

Land categories, Aerospace equipment, aircraft, biosystem, weather forecasts, monitoring.

Introduction

Aerospace instruments are an important tool for scientific research in the study of the Earth's crust. It includes the imaging of the earth's surface through its lighting tools, cameras and sensors, radars and other scientific devices, covering all changes on a large scale. Aerospace instruments play an important role in gathering the necessary data for weather markets and offering simplified guides [1-4]. With its help, it is possible to consider the movements of the atmosphere, atmospheric conditions and weather symptoms. In addition, aerospace instruments are used to study all objects of the solar system (sun, planets, planets and axis) [5-9]. The information obtained from them allows us to obtain several information about the atmosphere of the planet, the atmosphere of the axis, the weather, the gravitational parameters and several others. Such information is essential for understanding, teaching and identifying methods of solar energy, planetary return and separation of two objects. Aerospace instruments help to study, conserve and monitor the earth's ecology and ecosystems. This information is essential for studies on terrestrial ecology, forests and different biosystems, and for identifying threats and adaptations [10-14].

The Main Part

Aerospace equipment helps maintain communications networks on the ground. They are used to provide information and communication through television, telephone, internet and other networks. Aerospace devices help in studying the topographical information on the surface of the earth, the relief of the earth and the distances between two objects. It allows us to provide the necessary information in the field of geodesy and cartography [15-17]. Enables the collection of

classified information for aerospace, cartography, navigation and other related fields. Also, aerospace apparatuses allow us to carry out important tasks in mapping studies for military strategizing, performing inter-terrestrial monitoring and preservation of historical sites. This information will be essential in balancing the activities of hospitals and care organizations. Aerospace vehicles are of great importance in ground research, as they are used for high-speed data acquisition, monitoring, problem-solving, learning, cargo transportation, delivery, passenger and water resource monitoring. devices and satellites are used. In this, it helps to increase the efficiency of resources and strengthen the transport system.

Result

It allows to achieve of specific results of the research of the aerospace apparatus. These results include:

1. Social categories: Weather data, unit location, tourist facilities and other information provided by aerospace apparatus are used in the field of travel and tourism and provide weather forecasts for tourists and travellers.
2. Economic categories: Aerospace equipment allows monitoring of our earth's resources, water sources, local historical sites, freight lines and transportation systems. It is used in resource optimization, ecology, transport optimization and project management.
3. Cultural categories: It helps to explore cultural information such as aerospace, historical sites, archaeological sites, geodesy, cities, weather history and more. This makes it possible to provide valuable information for archaeologists, urban planners, managers of historical and cultural centres and others.
4. Meteorological categories: Aerospace apparatus and weather movements help to study the data. It is important in providing weather forecasts, natural and economic problems, climate change and weather forecasts.
5. Categories of scientific research: Aerospace vehicles are widely used for high-speed scientific research.

Conclusion

Thus, aerospace instruments will be essential to provide comprehensive information in the study of land categories. The information released by these devices will be of great importance in the study of climate, ocean and natural areas, resource management and natural security. In addition, aerospace apparatuses are important devices in the fields of physical and technical research, meteorology, ecology, earth sciences, communication and production. They greatly assist in the study of land types and their processes, in the collection of important information organized in the above fields, and in the performance of important tasks in world security, economy, and environmental management.

References

1. Aguirre, M. A. (2012). Introduction to space systems: design and synthesis (Vol. 27). Springer Science & Business Media.
2. Fortescue, P., Swinerd, G., & Stark, J. (Eds.). (2011). Spacecraft systems engineering. John Wiley & Sons.

3. Bate, R. R., Mueller, D. D., White, J. E., & Saylor, W. W. (2020). Fundamentals of astrodynamics. Courier Dover Publications.
4. Axmedov, B. M. (2022). Knauf Insulation is Effective Isolation. Central Asian Journal of Theoretical and Applied Science, 3(6), 298-302.
5. Ganiyev, Y. Y., Qosimov, L. M., & Murodilov, K. T. (2023). Creating Agricultural Maps Using Geo-Information Systems As An Example Of Bandikhan District. Finland International Scientific Journal of Education, Social Science & Humanities, 11(3), 1132-1140.
6. Kasimov, L. M., & Ganiev, Y. (2022). The Essence of Using Electronic Tachometers and GPS (Global Navigation System) in Monitoring Areas. Eurasian Research Bulletin, 15, 48-51.
7. Baxodirjon o‘g‘li, M. B., & Muxsinjon o‘g‘li, Q. L. (2022). Turoqshunoslikda gat texnologiyalariga doir tadqiqotlar. Ijodkor o'qituvchi, 2(20), 73-76.
8. Kasimov, M., Habibullaev, E., & Kosimov, L. (2020). Determination of the chimney roll. An International Multidisciplinary Research Journal, 10(6), 1313-1318.
9. Khakimova, K., Abdukhalilov, B., Qosimov, L., Abdusalomov, A., & Yokubov, S. (2023). Application of GIS technologies for improving the content of the tourist map of Fergana province, Uzbekistan. In E3S Web of Conferences (Vol. 386). EDP Sciences.
10. Zikirov, M. C., Qosimova, S. F., & Qosimov, L. M. (2021). Direction of modern design activities. Asian Journal of Multidimensional Research (AJMR), 10(2), 11-18.
11. Kholmurodova, D., & Kiyamova, D. (2023). Study of the process of producing fuel briquettes from industrial waste. International Journal of Advance Scientific Research, 3(10), 238-243.
12. Yusupova, S. S., Kholmurodova, D. K., & Kiyamova, D. S. (2023). Vexibia Alopecroides-How to New Source for the Synthesis of Physiologically Active Substances Used in Medicine. Global Scientific Review, 20, 25-30.
13. Махмудова, Х. И., & Холмуродова, Д. К. (2023). Анализ Некоторых Физиологических Показателей Зааненских Коз В Местных Условиях. Periodica Journal of Modern Philosophy, Social Sciences and Humanities, 19, 56-58.
14. Хусанбоев, С. Е. (2022). Перспективные направления развития агротуризма в республике узбекистане. Бюллетень науки и практики, 8(5), 476-482.
15. Ugli, X. S. Y. (2022, May). Evaluation of the effectiveness of agrotourism development directions in the republic of Uzbekistan. In International Conference on Research Identity, Value and Ethics (pp. 268-272).
16. Ugli, X. S. Y. (2022, May). Agrotourism as a factor in the development of agrotouristic facilities in the republic of Uzbekistan. In International Conference on Research Identity, Value and Ethics (pp. 265-267).
17. Xusanboyev, S., Qodirov, A., Baxromov, E., Ulmasova, N., & To'xtamboyeva, N. (2021). The effect of the covid-19 pandemema on student behavior and concepts: on the example of institution students in Uzbekistan. Экономика и социум, (5-1), 550-558.