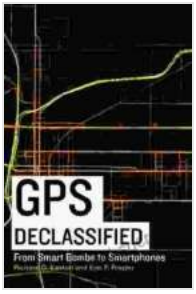
GPS Declassified: From Smart Bombs to Smartphones

The History of GPS

The Global Positioning System (GPS) was developed by the United States Department of Defense in the 1970s. The system was originally designed for military use, but it was later made available for civilian use in the 1980s.



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by Richard D. Easton

4.4 out of 5

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Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Word Wise	: Enabled
Print length	: 324 pages

The first GPS satellites were launched into orbit in 1978. The system became fully operational in 1995. Today, there are 31 GPS satellites in orbit around the Earth.

How GPS Works

GPS works by using a constellation of satellites to determine the location of a receiver on the ground. The satellites transmit signals that contain their

current position and time. The receiver uses these signals to calculate its own position and time.

GPS receivers can be found in a wide variety of devices, including smartphones, cars, and airplanes. GPS can be used for a variety of purposes, including navigation, location tracking, and surveying.

Military Applications of GPS

GPS was originally developed for military use. The system has been used in a variety of military applications, including:

* Smart bombs: GPS-guided bombs can be used to accurately target enemy targets. * Missile guidance: GPS can be used to guide missiles to their targets. * Navigation: GPS can be used to help soldiers navigate the battlefield. * Location tracking: GPS can be used to track the location of soldiers and equipment.

Civilian Applications of GPS

GPS has also been widely adopted for civilian use. The system is used in a variety of civilian applications, including:

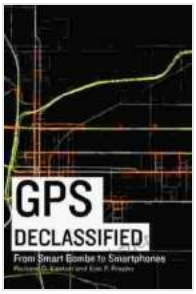
* Navigation: GPS can be used to help people navigate to their destinations. * Location tracking: GPS can be used to track the location of people, vehicles, and animals. * Surveying: GPS can be used to survey land and create maps. * Agriculture: GPS can be used to help farmers track their crops and livestock. * Transportation: GPS can be used to help optimize the efficiency of transportation networks.

The Future of GPS

GPS is a constantly evolving technology. The system is being upgraded to provide more accurate and reliable navigation. GPS is also being used in new and innovative ways, such as:

* Augmented reality: GPS can be used to enhance the real world with digital information. * Self-driving cars: GPS can be used to help self-driving cars navigate the roads. * Personal safety: GPS can be used to help people stay safe in emergencies.

GPS is a powerful technology that has revolutionized the way we navigate the world. The system is used in a wide variety of military and civilian applications, and it is constantly being improved. GPS is likely to continue to play an important role in our lives for many years to come.



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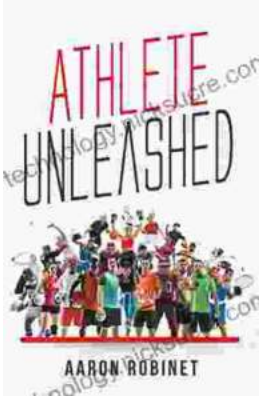

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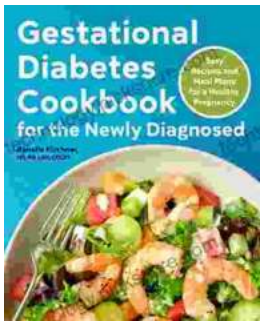

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