

Homework №2

Summary

Our life is surrounded by advanced technologies such as smartphones, plasma TVs, tablets and other electronic devices. The first revolution of the integrated circuit occurred a hundred years ago. In 1904, John Fleming invented the vacuum tube diode for the first time. This invention inspired Thomas Edison at the time, and it was also used in the 1940s during World War II. In the 1950s, vacuum tubes were replaced by transistors.

Transistors were smaller in size and faster. But they were also unsuitable for computers. Finally, in 1958, Jack Kilby invented the first integrated circuit, also known as a chip. Now the IC chips are used in all devices such as computers, smartphones, tablets. Even discoveries in space are made thanks to integrated circuits.