Review of: "In the nano transistor structure, the electronic quantity that is more easily available is the ionization potential, and the ionization potential is greater in the size of the small grains of the nano structure (smaller particles),"

Nina Kelerson

1 University of Nevada, Reno

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The high speed of switching (doping) in the nMOS transistor circuit of Graphene transistor is possible only because it can do p- and n (positive and negative) doping, and graphene doping is a main parameter in the development of nMOS transistor Graphene transistor. The bias voltage is applied to the graphene transistors in such a way that it always operates in its "active" region, that is, the curved or active linear part is used for the output characteristics. Graphene, which consists of only one carbon atom, can be used to create multilayer graphene field-effect transistors that consume less energy and take up less space. Graphene is a semi-conducting material with zero gap and not suitable for logic circuits, but using technology, they create different forms of this material that have different gaps. Graphene strips, multilayer graphene and graphene grown on different transistor layers are such forms.

An increase in the surface-to-volume ratio and changes in geometry and electronic structure have a strong impact on the chemical interactions of matter, and for example, the activity of small particles changes with changes in the number of atoms (and thus the size of the particles). Unlike today's nano-transistors, which behave based on the movement of a mass of electrons in matter, new devices follow the phenomena of quantum mechanics at the nano scale, in which the discrete nature of electrons cannot be ignored. By reducing all the horizontal and vertical dimensions of the transistor, the electric charge density increases in different areas of the nano-transistor, or in other words, the number of electric charges per unit area of the nano-transistor increases.

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