

They are stronger than steel, but the most important uses for these threadlike nacromolecules may be in faster, more efficient and more durable electronic devices by Philip G. Collins and Phaedon Avouris

Nanotubes Electronics

early 10 years ago Sumio lijima, sitting at an electron microscope at the NEC Fundamental Research Laboratory in Tunktoha, Juan, fire moticed cold amount. Made of pure carbon, as regular and symmetric as crystals, these exquaintifyin, impressively long micromolocules soon became known as nanotubes, and they have been the object of immers specified sorting vision for the control of the control

object of immens esternifie study ever since.

Just recentifs, they have become as subject for engineering as well. Many of the extraordinary properties attributed to well. Many of the extraordinary properties attributed to strength and thermal stability—have fed fantassic predictions of microcoopic robots, dent-resistant car bodies and earth-quake-resistant buildings. The first products to use nanorches, however, exploit none of these, lustical the earliest applications are deternical. Some General Moreous real neutral sounds are deternical. Some General Moreous real neutral sounds are deternical. Some General Moreous real neutral sounds are deternical some General form of the sounds are deternical some General form of the sounds are deternical some General form of the sounds are determined to the sounds are determi

uces as even die on their ways to market. In the leep legs repeats the most valuable application, in the leep legs repeats the most valuable application, in the leep legs repeated to the properties. Carbon nametubes can in principle play the summer of as aslion does in electronic circuits, but air medicular social where allows and other standard semiconduction crass on work. Although the electronic calculary since air medicular social works and the standard semiconduction or work. Although the electronic calculary since air medicular social believes to work. Although the electronic calculary since air legs level low 200 nanometers (billionith of a meters—about 400 nanometers (billionith of a meters—about 400 nanometers (billionith of a meters—about 400 nanometers) (billionith of a meters) (billionith

