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First inkjet-printed graphene computer circuit is transparent, flexible

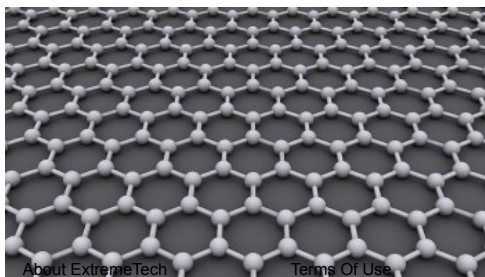
By Sebastian Anthony on November 24, 2011 at 10:11 am | [1 Comment](#)

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You can add another crazy characteristic to [graphene's](#) ever-expanding list of "wonder material" properties: It can now be used to create flexible, transparent thin-film transistors... using an inkjet printer.

The discovery comes from researchers at the University of Cambridge, UK, who were trying to ameliorate the lackluster performance of existing inkjet-printed electronics. As we covered last month, it's possible to [print standard CMOS transistors](#) using different ferroelectric polymer inks, but the resultant circuit is so slow that it can't actually function as a computer. If graphene could replace or augment the interconnects of transistors, these circuits would be a lot faster — and that's what these Cambridge engineers have

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