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Car headlights of the future won't blind other drivers



by **Mat Smith** | @thatmatsmith | April 27th 2015 at 3:55 am

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Carnegie Mellon's work on headlights has made an appearance here before, where it's [near-future smart headlights](#) would parse raindrops and 'cancel' them out, projecting light around the rain drops, substantially improving visibility. But that's just one of many tricks that the Carnegie Mellon University Robotics Institute's smart headlights are now capable of. The newest iteration's feedback system continuously looks at what your headlights are doing, processing and thinking about how to shine better. To start, the system detects vehicles headed towards the car and disables the range of light that's directed at the oncoming driver, even on high-beam settings.

Future work, reported in the *Scientific American*, will attempt to add GPS data that will adjust the direction of headlights, illuminating the route you're heading on, making your lane appear brighter than the others. The new system, apparently the size of a smaller footlocker, can also detect and track obstacles traveling up to 80 kph, like an errant deer as close as five meters. The system will also integrate with an auto-breaking system so that they decide to integrate something similar. For now -- and for a few more years -- these headlights are likely to remain research prototypes.

SOURCE: [Scientific American](#)

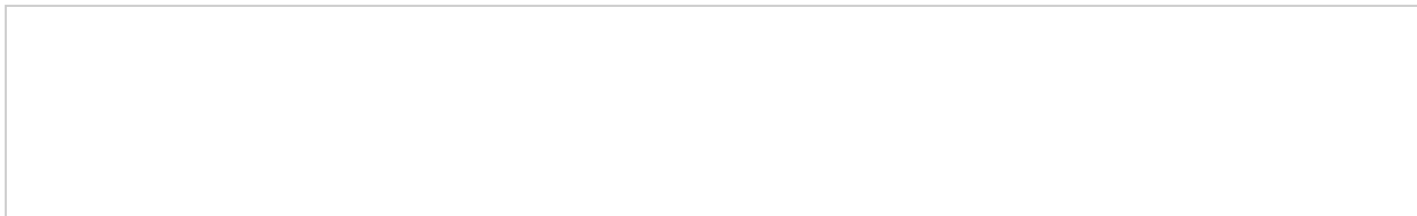
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Double, sorry !

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Now, this is newsworthy. It is also a thing of beauty.

People from all walks of life, going to Walmart, buying the triple strength, largest lumen replacement bulb.

Or perhaps the Sylvania Halogen 55 watt per side, 93% market share since 2011, with a perfect mix of halogen amd xenon gases which explodes with a cobalt tint. 55 watts a side, lumens long left behind, 100 watt are available but are said to fry the electrical system which wasn't meant to just see the road but blind people while sleeping in their sadly bought corner home with a front bedroom.

All your mirrors, filled with the white / cobalt blue, seemingly hot light which would let you read a small print edition of the complete Webster's dictionary brings joy to the not wide awake.

Who, after install, can not wait til' dark to torture elderly people, people with glasses, temporarily blinding young children in the rear seat who pull up close behind you, even closer at a stop light and fill your car compartment with spots burnt into your retina's for the next few hours having been waiting all week for the conclusion of " People Off Glue" and seeing holes in your 8000 TV.

All under the guise of three front end accidents never attended to with sockets that weren't even aligned at the factory brand new.

I don't know whether to hum Jeremiah was a bullfrog of joy to the world.

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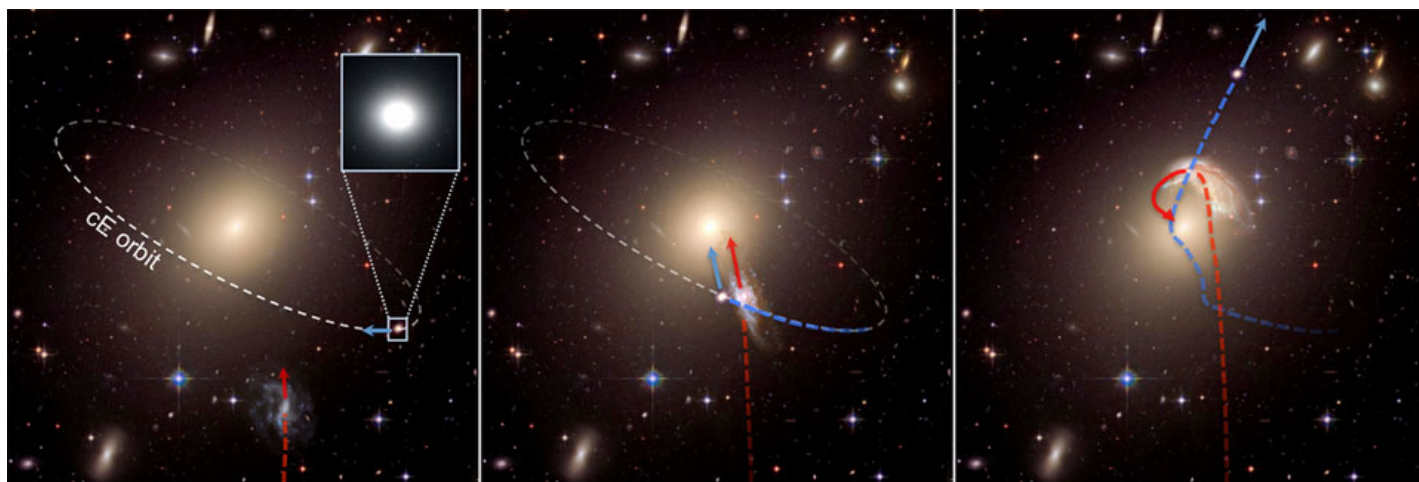
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Scientists spot runaway galaxies



by [Jon Fingas](#) | [@jonfingas](#) | April 27th 2015 at 1:33 am



It's well established that runaway stars and [planets](#) are a cosmic reality, but runaway galaxies? Yes, amazingly enough, those exist. Scientists have [discovered](#) at least 11 galaxies moving so quickly (up to 6 million miles per hour) that they're escaping the gravitational tug of their host clusters. Most likely, these wayward celestial bodies are the result of three-way interactions -- a small elliptical galaxy tied to a larger counterpart will fly off into space when *another* big galaxy gets close enough. It could take a long time before astronomers have a better sense of how common stray galaxies might be, but it's already apparent that the universe is messy at its grandest scale.

[Image credit: NASA, ESA and the Hubble Heritage Team]

VIA: [Gizmodo](#), [EurekAlert](#)

SOURCE: [Harvard-Smithsonian CFA](#), [Science](#)

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