

ALL I EVER NEEDED TO KNOW ABOUT PHYSICS I LEARNED FROM ROAD RUNNER CARTOONS



WHAT EATS ROADRUNNERS?

[http://www.lghs.net/ourpages/users/
dburns/RRPhysics/Road_Runner_Phys
ics/Movie_files/Intro.mov](http://www.lghs.net/ourpages/users/dburns/RRPhysics/Road_Runner_Physics/Movie_files/Intro.mov)

IS THIS POSSIBLE? WHY OR WHY NOT?

http://www.lghs.net/ourpages/users/dburns/RRPhysics/Road_Runner_Physics/Movie_files/RollingBoulder.mov

HOW ABOUT THIS? WHY OR WHY NOT?

http://www.lghs.net/ourpages/user_s/dburns/RRPhysics/Road_Runner_Physics/Movie_files/HumanCannonball.mov

WHAT WOULD BE THE EFFECT OF ADDING A SECOND FAN?

[http://www.lghs.net/ourpages/users/
dburns/RRPhysics/Road_Runner_Phys
ics/Movie_files/FanPoweredSail.mov](http://www.lghs.net/ourpages/users/dburns/RRPhysics/Road_Runner_Physics/Movie_files/FanPoweredSail.mov)

WHAT ARE THE GOOD AND BAD PHYSICS OF THIS?

[http://www.lghs.net/ourpages/users/dburns/RRPhysics/Road_Runner_Physics/Movie_files/GiantRubberBand.m](http://www.lghs.net/ourpages/users/dburns/RRPhysics/Road_Runner_Physics/Movie_files/GiantRubberBand.mov)
[ov](#)

WHAT ARE THE GOOD AND BAD PHYSICS OF THIS?

http://www.lghs.net/ourpages/users/dburns/RRPhysics/Road_Runner_Physics/Movie_files/BallonAnvil.mov

THE CARTOON LAWS OF PHYSICS:

- Any body suspended in space will remain in space until made aware of its situation.
- Everything falls faster than an anvil.
- All principles of gravity are negated by fear.
- As speed increases, objects can be in several places at once.
- Any body passing through solid matter will leave a perforation conforming to its perimeter.

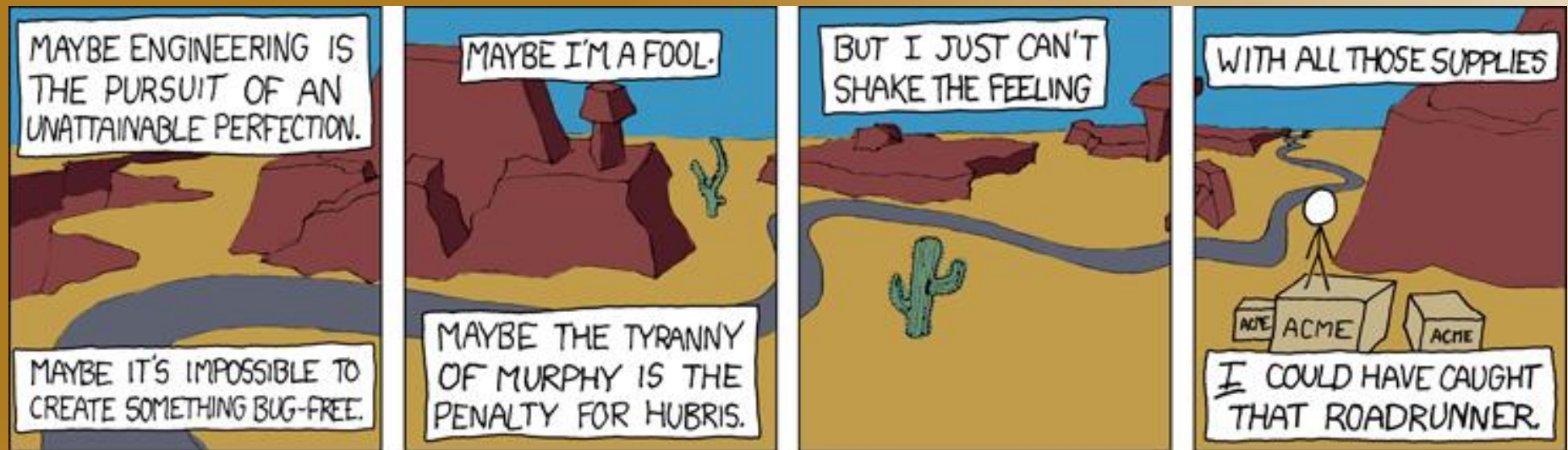


THE REAL LAWS OF PHYSICS:

- Newton's Laws of Motion
- Conservation of Energy
- Conservation of Momentum
- Conservation of Angular Momentum
- Newton's Universal Law of Gravity



ENGINEERING HUBRIS



<http://xkcd.com/319/>

ROADRUNNER FUN FACTS

A roadrunner is shown in profile, facing left, standing on a sandy, rocky ground with sparse dry grass. The bird has a long, dark tail with prominent white stripes, a long neck, and a crest of feathers on its head. The background is a blurred desert landscape.

- Roadrunners are prey for hawks, house cats, raccoons, snakes, and skunks, not coyotes!
- Roadrunners can attain speeds of 17 mph.
- The roadrunner makes a series of dovelike coos dropping in pitch, as well as a clattering sound.
- It reabsorbs water from its feces before excretion.
- A roadrunner catches a rattlesnake by the tail, cracks it like a whip and repeatedly slams its head against the ground till dead
- Its extreme quickness allows it to snatch a humming bird or dragonfly from midair.