

2024 mid-year link clearance

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Hey, look at this, we're just about halfway through the year.

- [Mr. Plinkett's Super Happy Fun Star Trek: The Next Generation Mistakes Video](#). Is this a super-nerdy video? Yes. Did I watch all of it? Also yes.
- [Stellarium Web Engine](#) is an open-source JavaScript planetarium library. [You can play with it online](#).
- [The Value of Check-It-Yourself Science](#). Theoretical physicist [Matt Strassler](#) provides several examples of how you can confirm various facts about the solar system by using direct observation and high school mathematics. For example, he [estimates the distance to Jupiter using his eyes, a protractor, and a pocket calculator](#), and in a similar fashion [calculates the distance from the earth to the sun](#).
- [What word begins with "y" and looks like an axe?](#) A deep dive into a children's ball.
- [Taking the deepest possible breath](#): CathodeRayDude investigates Phoenix Hyperspace, a miniature (Linux-based) operating system which runs a small number of programs and which (here's the scary part) can live-swap with a running copy of Windows. How did they do this? Maybe you're better off not knowing. Oh, who am I kidding. Read it and weep.
- [Hell never ends on x86](#): CathodeRayDude investigates HP QuickWeb, and it's *even more insane than Phoenix Hyperspace*.
- [The Itanic Saga](#) chronicles the history of the ill-fated Itanium processor. If you want to see more details of the Itanium instruction set architecture, [you can read my processor overview](#).
- [Alex Chan](#) investigates the claim that the largest possible PDF is a 381 kilometer square. Turns out you can go bigger. [Much bigger](#).
- [Acquire and Release Fences Don't Work the Way You'd Expect](#).
- Do you miss WordPad? Fortunately, the source code was released (MIT license) as a sample app. You can find a copy [online](#).

And the obligatory self-serving plug: It appears that the Windows Dev Docs team created a short link that takes you to a playlist of many of my One Dev Question videos:

<https://aka.ms/ODQ-RaymondChen>.

