

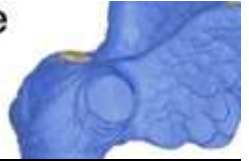


Finally! **3D Laser Scanning** Made Affordable

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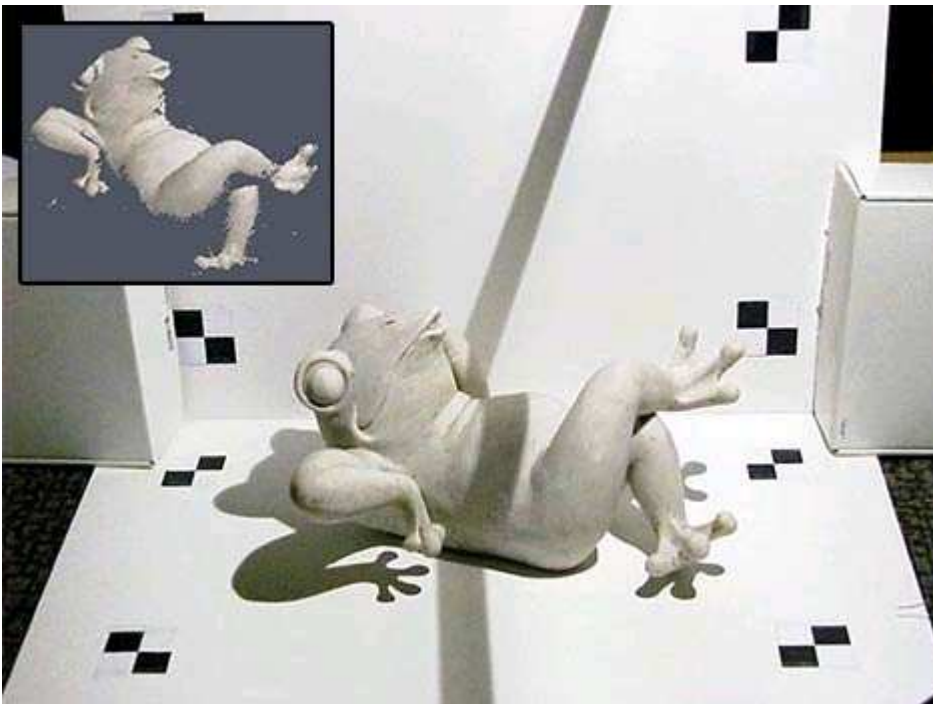
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[DIY 3D gets a nod at SIGGRAPH](#)

posted Aug 27th 2009 1:00pm by [Phil Burgess](#)

filed under: [laser hacks](#), [video hacks](#)



Among the courses at this year's [SIGGRAPH](#) (an annual technical conference and showcase of the latest in computer graphics research) was an introduction to 3D scanning that covers all the bases: mathematical foundations, two different build-your-own hardware approaches, and how to process and render the resulting datasets. The presenters have assembled all the course materials on a [top-notch web site](#) featuring slide shows, complete source code, and an extensive [round-up with links](#) to both commercial and homebrew 3D scanning gear. The simplest of these methods requires nothing more than a webcam, halogen light source, and a stick!

SIGGRAPH and 3D scanning have been [highlighted many times](#) on Hack a Day, but we're swelling with

pride now seeing an academic venue give a favorable nod to the DIY hacking community (on their links page). Okay, so Hack a Day isn't called out by name, but just wait'll next year!

[Thanks Fahrzin]

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I saw a thing a while back where someone used a 3d object and placed it in a bowl of milk slowly adding dropper after dropper of milk and taking pictures/scanning it rendered a perfect 3d scan...

Posted at [2:54 pm](#) on Aug 27th, 2009 by [stinkymonkey](#)

stinkymonkey, that's Friedrich Kirschner with his ink scanning/milk scanning.

It's worth describing the technique in the image above, as it's completely ingenious: point-light source + a straight stick, then tracking the edges of the shadows.

Posted at [4:16 pm](#) on Aug 27th, 2009 by [Kyle McDonald](#)

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