



PHYSICS AND ASTRONOMY COLLOQUIUM

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“Planet Formation Post-Kepler” (UPDATED TITLE & ABSTRACT)

Abstract

“The message of the Kepler space mission is this: super-Earths abound in the Universe. These are planets $\sim 1\text{--}4$ Earth radii and $\sim 1\text{--}20$ Earth masses, composed of solids and gas in proportions of 100:1 by mass. We describe how super-Earths/sub-Neptunes form: the assembly of their rocky cores, the accretion of their atmospheres, and the distribution of their orbits inside and outside of mean-motion resonances. We further show how super-puff planets and gas giants represent extensional populations spawned farther away from their host stars, in colder and more massive disks.”

Wednesday, March 3, 2021
3:30 p.m.

via Zoom: <https://uvic.zoom.us/j/81377096640>