

# **DISK** **DETECTIVE** FOLLOW-UP IMAGING: NEW DISCOVERIES FROM WISE

## What is the science question?

Which stars have belts of debris where planets form and dwell?

## What were your findings?

- We confirmed 244 new disk candidates, including 30 nearby systems that are good targets to search for exoplanets with JWST and TESS.
- While ~300,000 WISE sources look like debris disks, only about 20,000 probably are.
- Disk searches that do not visually inspect objects at multiple wavelengths have high false-positive rates.

## What was the impact?

Thirty-thousand citizen scientists have contributed to this project including nine citizen scientists who are co-authors on this paper.

## Why does it matter?

- Finding these disks helps us locate new exoplanets and young stars and understand how planetary systems form and evolve.
- Citizen science projects like Disk Detective increase scientific literacy by inviting members of the public to collaborate in NASA research.



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