

# THE SEARCH OF CORRELATION OF ULTRAVIOLET AND INFRARED FLUXES OF GALAXIES WITH AND WITHOUT H<sub>2</sub>O MASERS

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The purpose:

- Increasing the extragalactic water maser detection rate using the data in different spectral ranges available from a number of galactic surveys.



We used surveys:

- KINGFISH (70, 160  $\mu\text{m}$ )
- SINGS (3.6, 8.0, 24  $\mu\text{m}$ )
- GALEX.

The Initial sample:

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**Astronomy  
&  
Astrophysics**

## **Radio properties of H<sub>2</sub>O maser host galaxies**

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For our research:

17 galaxies: 12 maser hosting galaxies and 5 galaxies without H<sub>2</sub>O masers.



