

ASTRONOMY FOR ALL



Searching for the primeval galaxies using Orchetar

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Orchestra is a device that transforms the light frequency (colors) into different tones. Thus, this device uses its sensor to recognize the color color red, blue and green.

We use the dropout technique to find the faintest galaxies in the RGB images. Since they are redshifted, they pop-up as a red dot in the cluster image.



We invite you to live a listening experience in astronomy.

1. Use the headphone and turn on the orchestra.
You will hear different sounds.
2. Place the sensor of Orchestar in the colorbar.

3. Recognize the sound of the red color
4. Using Orchestar, listen the galaxy cluster.
5. Search for the red tones in the galaxy cluster.

We encourage you to close your eyes for an amazing experience!

