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AstroViz Project: Multi-wavelength, Multi-format, and Multi-sensory Astronomical Visualizations

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Presenter

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Abstract

The AstroViz Project combines multi-wavelength data from NASA's space telescopes to create cinematic visualizations for the public domain. Awesome sights such as Eta Carinae, the Whirlpool Galaxy, and the Ultra Deep Field are presented in 3D to enlighten and engage learners of all ages. When possible, these visuals are translated to multiple formats, including planetarium dome and VR 360. In addition, sonification of the visuals and 3D printing of the models can provide accessible, multi-sensory experiences for broad audiences. AstroViz is part of NASA's Universe of Learning, funded by the NASA Science Mission Directorate Science Activation program.

Presentation

Available at the Box URL below:

summers-astroviz_project-maps_2022.pptx (16 MB)
https://stsci.box.com/s/ech7wbdjgvydgv9jqbq4hv1e2gv0t2py