

Title: OZGRAV PUBLIC OUTREACH VIRTUAL AND MIXED REALITY TOOLKITS

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Abstract:

OzGrav uses a new physics engine toolkit written in Unity to create inspiring content for public outreach and engagement. These include “Mission Gravity”, where high school students journey to a virtual spacecraft and conduct a series of experiments to learn about physics and stellar evolution, VR apps for use with Google Cardboard and VR lenses for mobile platforms, and a new presentation tool that uses Mixed reality for presenters to give green-screen presentations. A live demo of some of these tools will be presented.