USING REWARD SYSTEMS IN FLEXSIM TO TRAIN AI

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ABSTRACT

FlexSim is dedicated to developing the most capable and useable 3D simulation modeling and analysis software. With the rapid advances in artificial intelligence and machine learning (AI/ML), simulation has become the keystone for a variety of advanced modeling and optimization applications. This year, we'd like to demonstrate our latest capabilities in AI/ML, including a Reinforcement Learning tool, Python integration, and a partnership with Microsoft's Project Bonsai. Using a model and case study that was developed for graduate students at BYU, we will dig into these new features and show how FlexSim can be used for advanced simulation applications in the areas of AI/ML and Digital Twin.