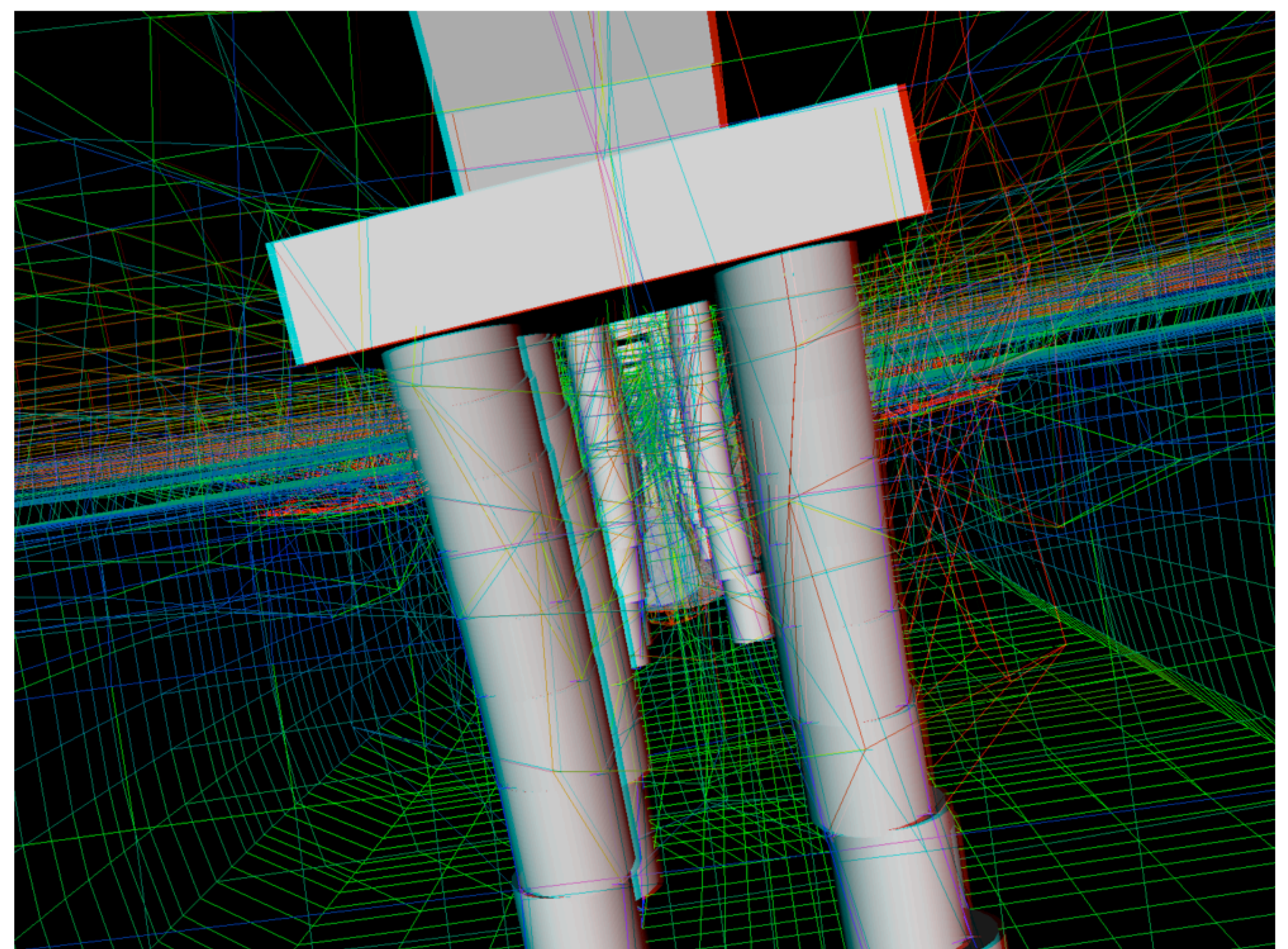
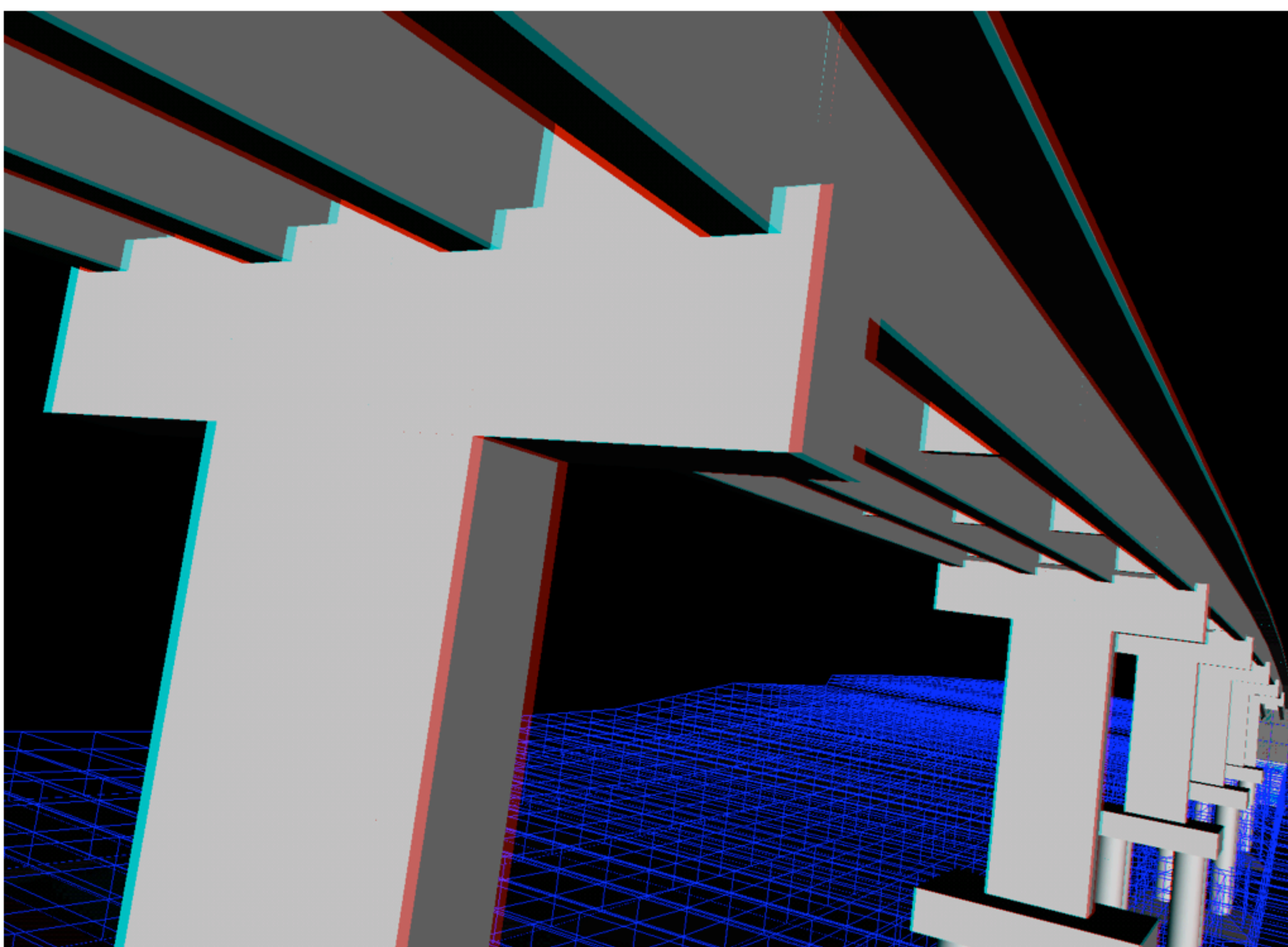
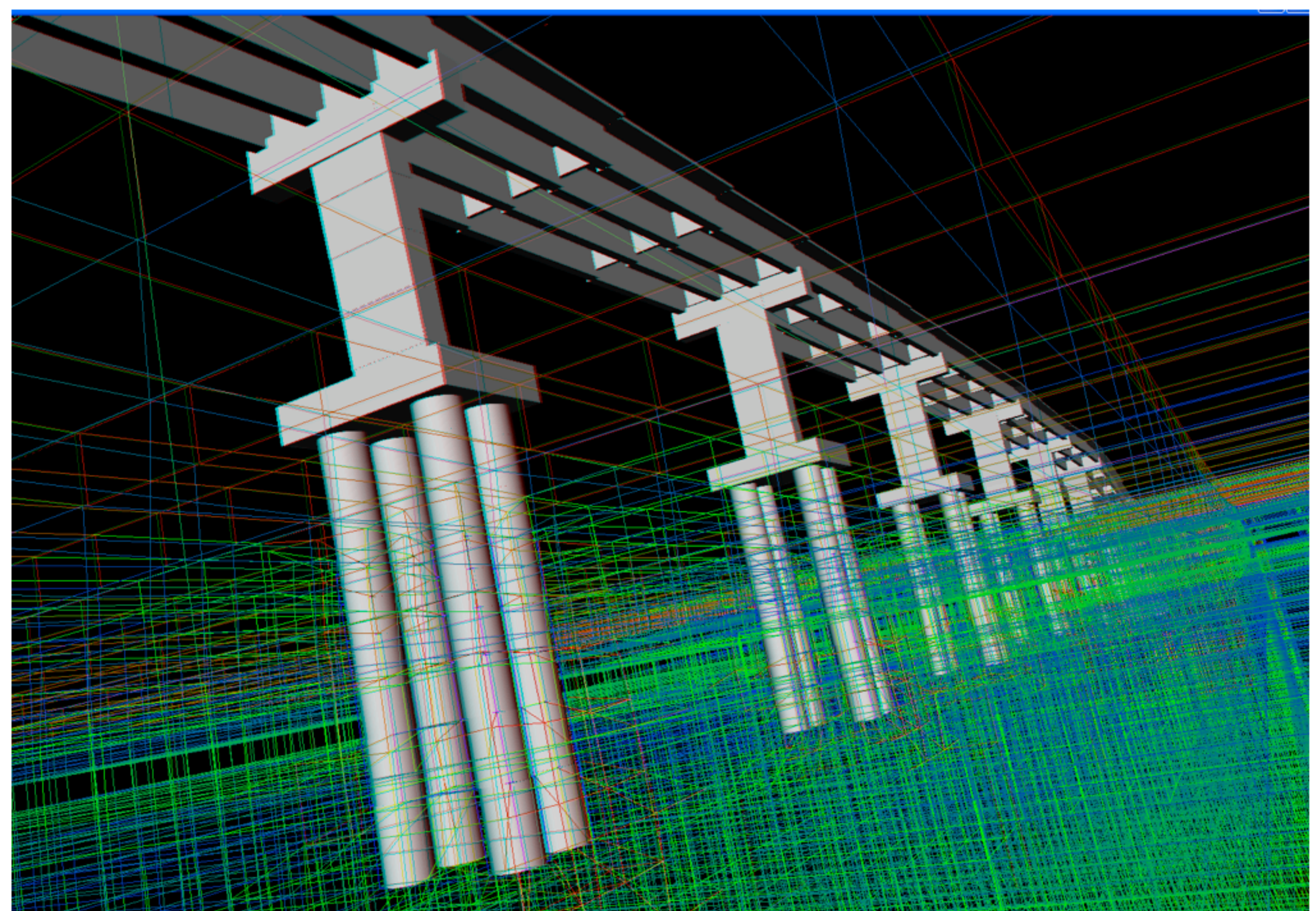
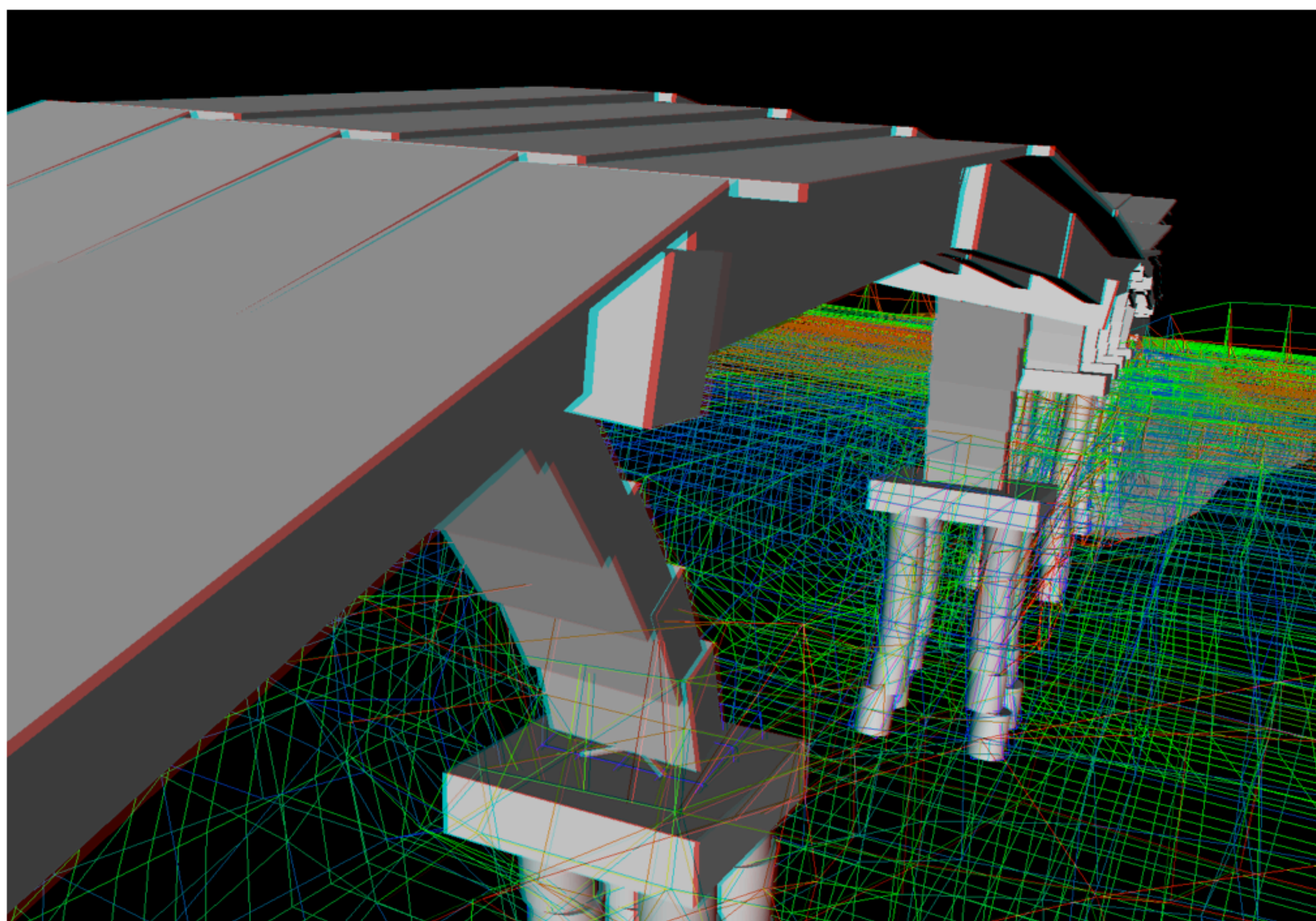


Bridge-Foundation System Response



Ground-foundation interaction dictates the level and characteristics of earthquake excitation. Lateral ground deformation can unseat the bridge deck, and/or damage the bridge approach ramps. In recent earthquakes, bridge damage resulted in prolonged traffic disruptions and Billion Dollar level replacement expenses.

PEER is contributing to the solution through high fidelity computational simulation of actual bridge Testbed scenarios (3D Stereo Visualization)



The Pacific Earthquake Engineering Research Center
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for more information see <http://peer.berkeley.edu>



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