

Appendix

A GitHub Repositories

Project	URL
Velociraptor2D	https://github.com/hermanliaboe/Velociraptor2D.git
Velociraptor3D	https://github.com/hermanliaboe/Velociraptor3D.git
ArchNN & TrussNN	https://github.com/hermanliaboe/VelociraptorAI.git

B Videos

Name	Description and URL
Beam Time History	Video showing how the 4-meter long beam vibrates subjected to an initial displacement https://youtu.be/_pVqGHR0OOI
Truss Bridge Time History	Video showing how the truss bridge vibrates subjected to an initial displacement https://youtu.be/D3zHz4L68sc
Truss Bridge Prediction BEST	Video showing the comparison between the Velociraptor3Ds calculated model and TrussNN predicted model https://youtu.be/JO1AGABxf-k
Truss Bridge Prediction WORST	Video showing the comparison between the Velociraptor3Ds calculated model and TrussNN predicted model https://youtu.be/fB3l0_bwx-k