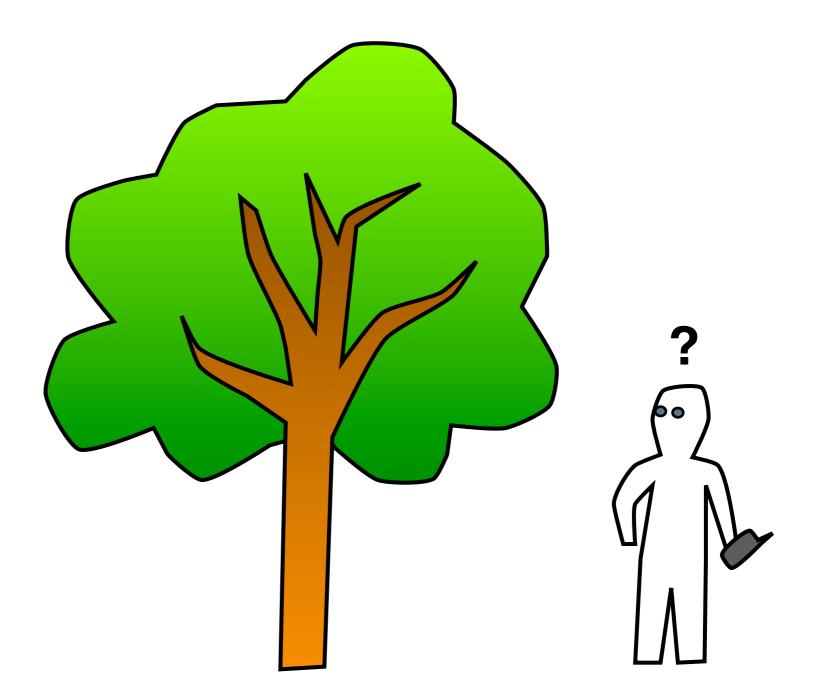
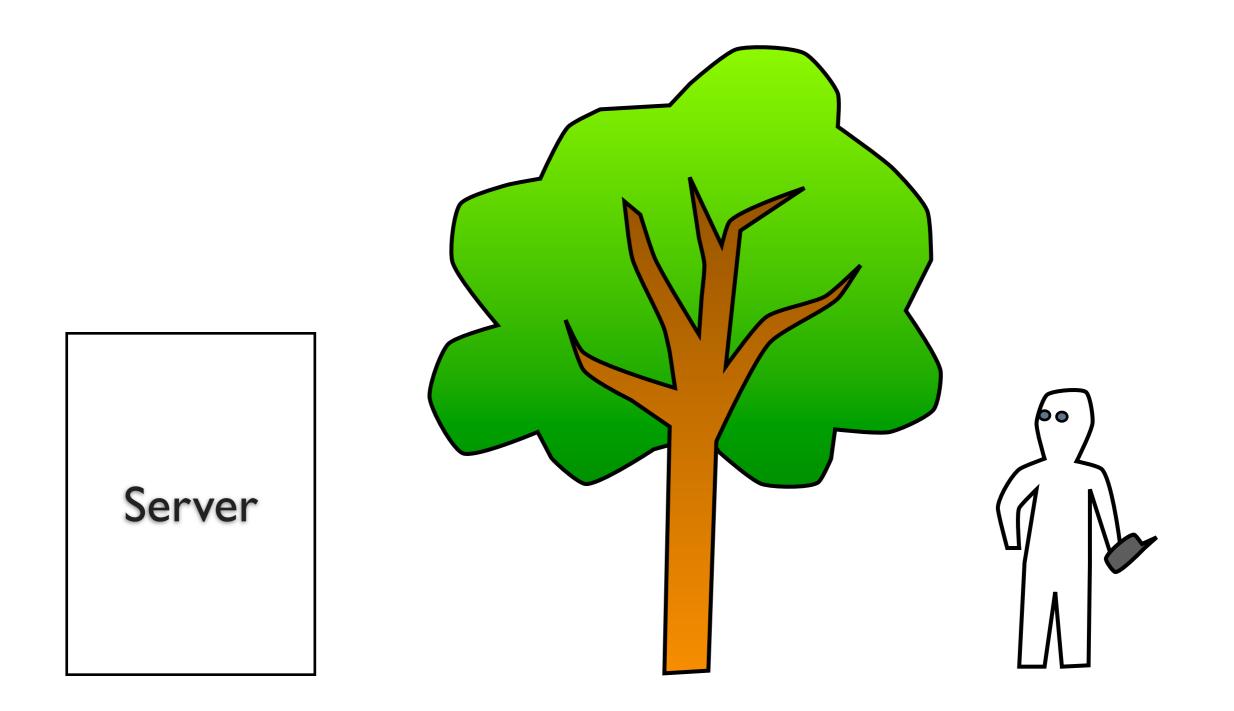
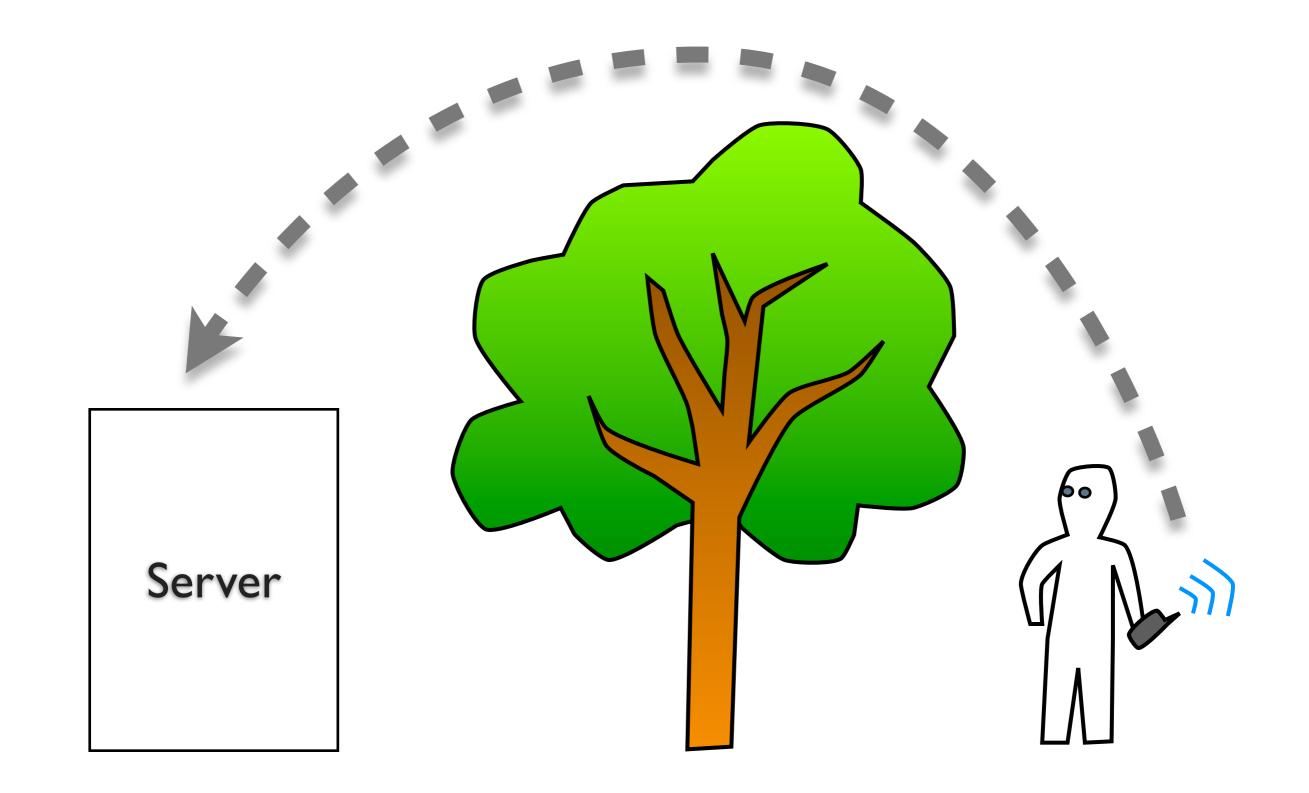
MobiTree: Remote Rendering of 3D Botanical Models

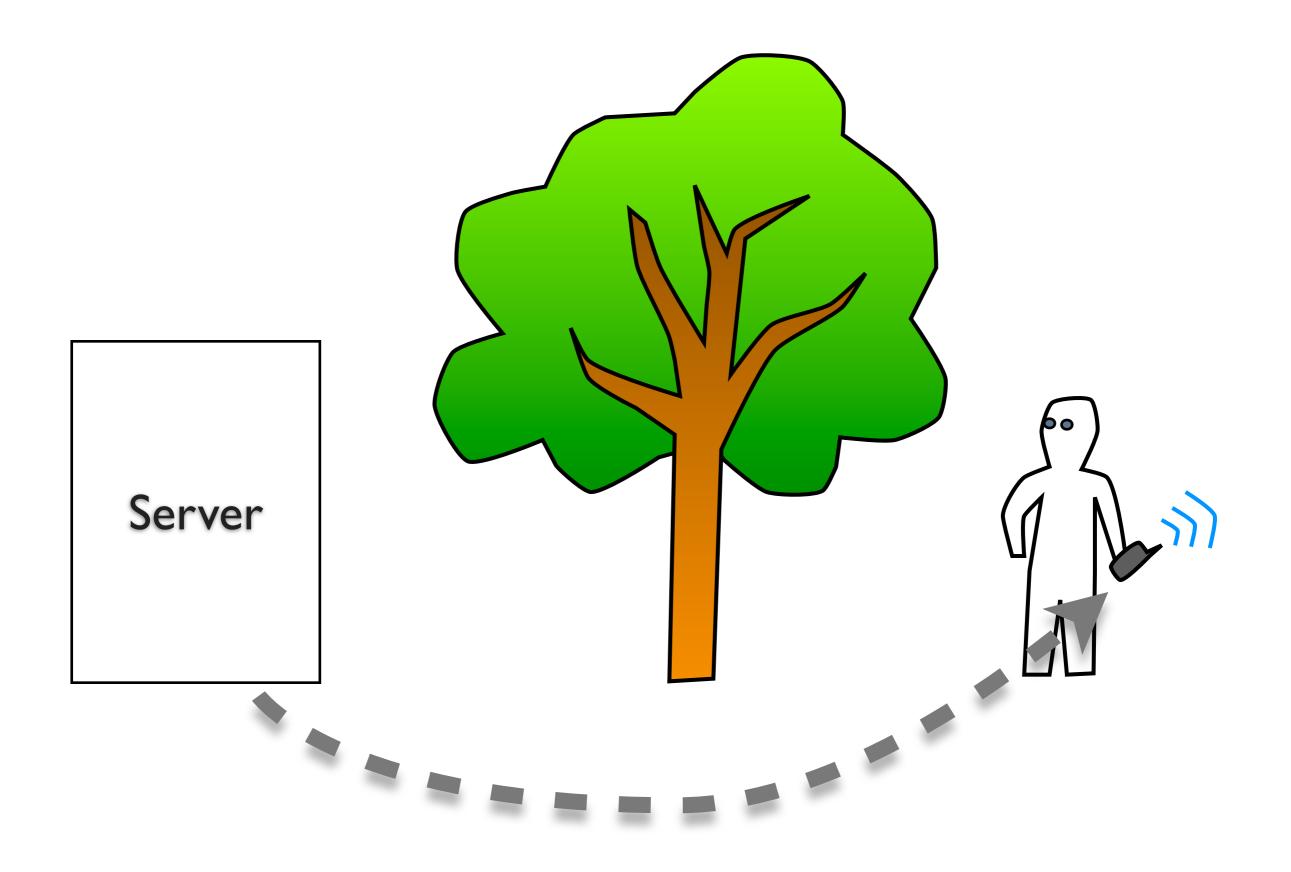
Joint Work with:

Wei Cheng, Wei Tsang Ooi (NUS) Romulus Grigoras, Geraldine Morin, Sebastien Mondet (IRIT) Frederick Boudon (CIRAD) Axel Carlier, Andra Doran (NUS, IRIT)







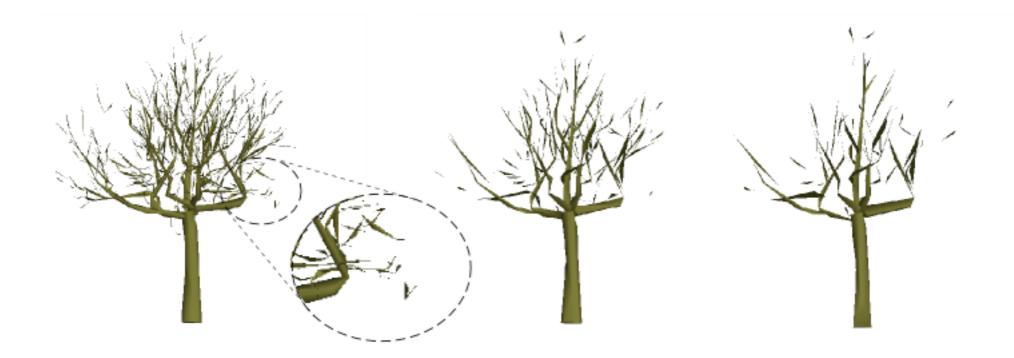


botanically-accurate models:

- I. a particular species of plants
- 2. notable, individual plant

progressive models:

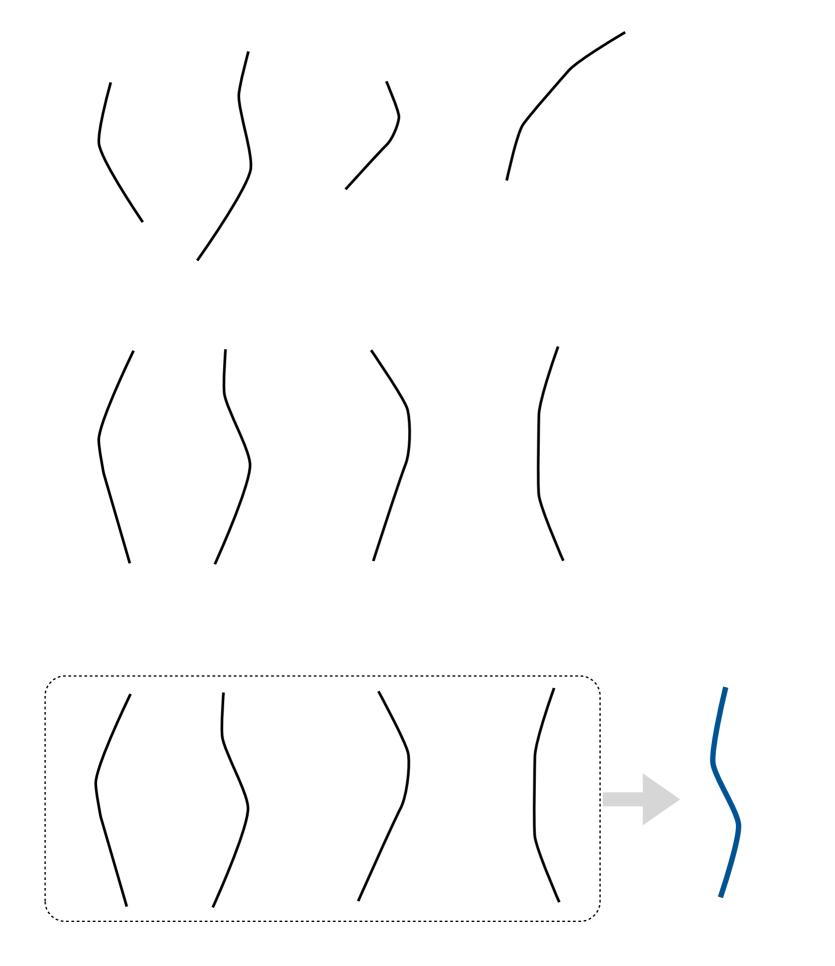
- I. enable quick preview of 3D models
- adapt to rendering capability of phones

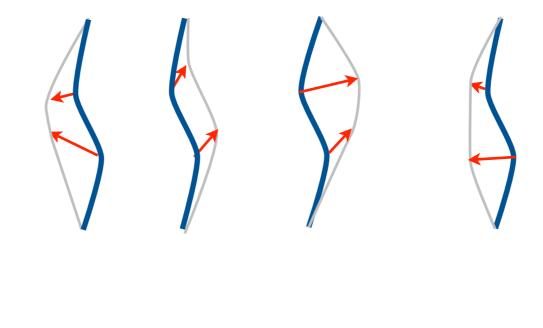


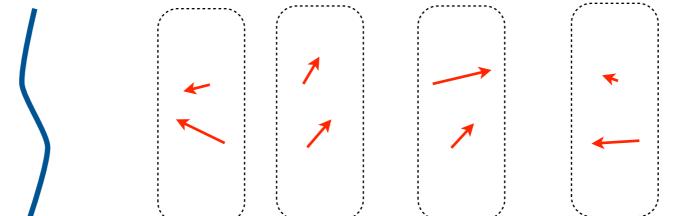
Progressive meshes are not suitable for trees

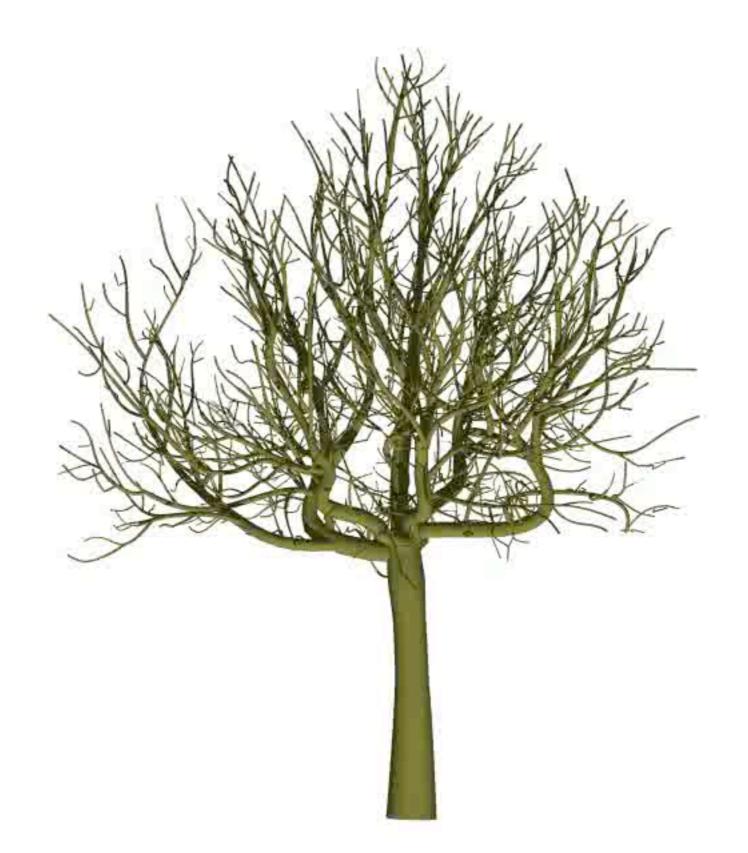


Our model based on generalized cylinders

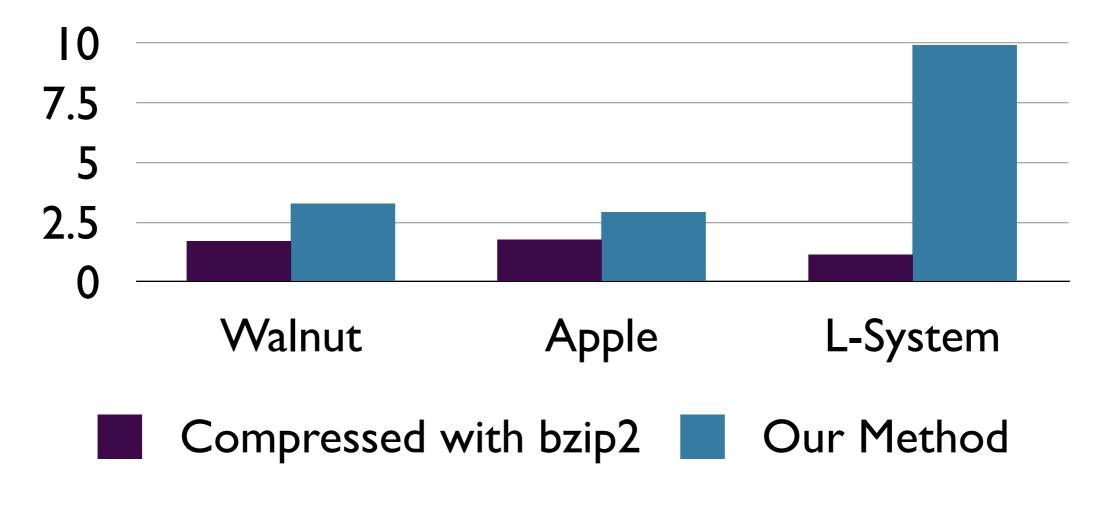








Compression Ratio



Our model compresses well