## Error magnitude (pt)

Response time (s)

2D Embedding o 1 Desktop o 1 Static o 1 Text Data o 1 Orthographic o 1 Flat Shading 2D Embedding o 1 Desktop o 1 Static o 2 Image Data o 1 Orthographic o 1 Flat Shading 2D Embedding o 2 HMD o 1 Static o 1 Text Data o 1 Orthographic o 1 Flat Shading 2D Embedding o 2 HMD o 1 Static o 2 Image Data o 1 Orthographic o 1 Flat Shading 3D Embedding o 1 Desktop o 1 Static o 1 Text Data o 1 Orthographic o 1 Flat Shading 3D Embedding o 1 Desktop o 1 Static o 1 Text Data o 1 Orthographic o 2 Simple 3D Embedding o 1 Desktop o 1 Static o 1 Text Data o 1 Orthographic o 3 Ambient Occlusion 3D Embedding o 1 Desktop o 1 Static o 1 Text Data o 2 Perspective o 1 Flat Shading 3D Embedding o 1 Desktop o 1 Static o 1 Text Data o 2 Perspective o 2 Simple 3D Embedding o 1 Desktop o 1 Static o 1 Text Data o 2 Perspective o 3 Ambient Occlusion 3D Embedding o 1 Desktop o 1 Static o 2 Image Data o 1 Orthographic o 1 Flat Shading 3D Embedding o 1 Desktop o 1 Static o 2 Image Data o 1 Orthographic o 2 Simple 3D Embedding o 1 Desktop o 1 Static o 2 Image Data o 1 Orthographic o 3 Ambient Occlusion 3D Embedding o 1 Desktop o 1 Static o 2 Image Data o 2 Perspective o 1 Flat Shading 3D Embedding o 1 Desktop o 1 Static o 2 Image Data o 2 Perspective o 2 Simple 3D Embedding o 1 Desktop o 1 Static o 2 Image Data o 2 Perspective o 3 Ambient Occlusion 3D Embedding o 1 Desktop o 2 Dynamic o 1 Text Data o 1 Orthographic o 1 Flat Shading 3D Embedding o 1 Desktop o 2 Dynamic o 1 Text Data o 1 Orthographic o 2 Simple 3D Embedding o 1 Desktop o 2 Dynamic o 1 Text Data o 1 Orthographic o 3 Ambient Occlusion 3D Embedding o 1 Desktop o 2 Dynamic o 1 Text Data o 2 Perspective o 1 Flat Shading 3D Embedding o 1 Desktop o 2 Dynamic o 1 Text Data o 2 Perspective o 2 Simple 3D Embedding o 1 Desktop o 2 Dynamic o 1 Text Data o 2 Perspective o 3 Ambient Occlusion 3D Embedding o 1 Desktop o 2 Dynamic o 2 Image Data o 1 Orthographic o 1 Flat Shading 3D Embedding o 1 Desktop o 2 Dynamic o 2 Image Data o 1 Orthographic o 2 Simple D Embedding o 1 Desktop o 2 Dynamic o 2 Image Data o 1 Orthographic o 3 Ambient Occlusion 3D Embedding o 1 Desktop o 2 Dynamic o 2 Image Data o 2 Perspective o 1 Flat Shading 3D Embedding o 1 Desktop o 2 Dynamic o 2 Image Data o 2 Perspective o 2 Simple 3D Embedding o 1 Desktop o 2 Dynamic o 2 Image Data o 2 Perspective o 3 Ambient Occlusion 3D Embedding o 2 HMD o 1 Static o 1 Text Data o 1 Orthographic o 1 Flat Shading 3D Embedding o 2 HMD o 1 Static o 1 Text Data o 1 Orthographic o 2 Simple 3D Embedding o 2 HMD o 1 Static o 1 Text Data o 1 Orthographic o 3 Ambient Occlusion 3D Embedding o 2 HMD o 1 Static o 1 Text Data o 2 Perspective o 1 Flat Shading 3D Embedding o 2 HMD o 1 Static o 1 Text Data o 2 Perspective o 2 Simple 3D Embedding o 2 HMD o 1 Static o 1 Text Data o 2 Perspective o 3 Ambient Occlusion 3D Embedding o 2 HMD o 1 Static o 2 Image Data o 1 Orthographic o 1 Flat Shading 100 3D Embedding o 2 HMD o 1 Static o 2 Image Data o 1 Orthographic o 2 Simple 3D Embedding o 2 HMD o 1 Static o 2 Image Data o 1 Orthographic o 3 Ambient Occlusion 3D Embedding o 2 HMD o 1 Static o 2 Image Data o 2 Perspective o 1 Flat Shading 3D Embedding o 2 HMD o 1 Static o 2 Image Data o 2 Perspective o 2 Simple 3D Embedding o 2 HMD o 1 Static o 2 Image Data o 2 Perspective o 3 Ambient Occlusion 3D Embedding o 2 HMD o 2 Dynamic o 1 Text Data o 1 Orthographic o 1 Flat Shading 3D Embedding o 2 HMD o 2 Dynamic o 1 Text Data o 1 Orthographic o 2 Simple 3D Embedding o 2 HMD o 2 Dynamic o 1 Text Data o 1 Orthographic o 3 Ambient Occlusion 3D Embedding o 2 HMD o 2 Dynamic o 1 Text Data o 2 Perspective o 1 Flat Shading 3D Embedding o 2 HMD o 2 Dynamic o 1 Text Data o 2 Perspective o 2 Simple 3D Embedding o 2 HMD o 2 Dynamic o 1 Text Data o 2 Perspective o 3 Ambient Occlusion 3D Embedding o 2 HMD o 2 Dynamic o 2 Image Data o 1 Orthographic o 1 Flat Shading 3D Embedding o 2 HMD o 2 Dynamic o 2 Image Data o 1 Orthographic o 2 Simple 3D Embedding o 2 HMD o 2 Dynamic o 2 Image Data o 1 Orthographic o 3 Ambient Occlusion 3D Embedding o 2 HMD o 2 Dynamic o 2 Image Data o 2 Perspective o 1 Flat Shading 3D Embedding o 2 HMD o 2 Dynamic o 2 Image Data o 2 Perspective o 2 Simple

2D Embedding o 1 Desktop o 1 Static o 1 Text Data o 1 Orthographic o 1 Flat Shading 2D Embedding o 1 Desktop o 1 Static o 2 Image Data o 1 Orthographic o 1 Flat Shading 2D Embedding o 2 HMD o 1 Static o 1 Text Data o 1 Orthographic o 1 Flat Shading 2D Embedding o 2 HMD o 1 Static o 2 Image Data o 1 Orthographic o 1 Flat Shading 3D Embedding o 1 Desktop o 1 Static o 1 Text Data o 1 Orthographic o 1 Flat Shading 3D Embedding o 1 Desktop o 1 Static o 1 Text Data o 1 Orthographic o 2 Simple 3D Embedding o 1 Desktop o 1 Static o 1 Text Data o 1 Orthographic o 3 Ambient Occlusion 3D Embedding o 1 Desktop o 1 Static o 1 Text Data o 2 Perspective o 1 Flat Shading 3D Embedding o 1 Desktop o 1 Static o 1 Text Data o 2 Perspective o 2 Simple 3D Embedding o 1 Desktop o 1 Static o 1 Text Data o 2 Perspective o 3 Ambient Occlusion 3D Embedding o 1 Desktop o 1 Static o 2 Image Data o 1 Orthographic o 1 Flat Shading 3D Embedding o 1 Desktop o 1 Static o 2 Image Data o 1 Orthographic o 2 Simple 3D Embedding o 1 Desktop o 1 Static o 2 Image Data o 1 Orthographic o 3 Ambient Occlusion 3D Embedding o 1 Desktop o 1 Static o 2 Image Data o 2 Perspective o 1 Flat Shading 3D Embedding o 1 Desktop o 1 Static o 2 Image Data o 2 Perspective o 2 Simple 3D Embedding o 1 Desktop o 1 Static o 2 Image Data o 2 Perspective o 3 Ambient Occlusion 3D Embedding o 1 Desktop o 2 Dynamic o 1 Text Data o 1 Orthographic o 1 Flat Shading 3D Embedding o 1 Desktop o 2 Dynamic o 1 Text Data o 1 Orthographic o 2 Simple 3D Embedding o 1 Desktop o 2 Dynamic o 1 Text Data o 1 Orthographic o 3 Ambient Occlusion 3D Embedding o 1 Desktop o 2 Dynamic o 1 Text Data o 2 Perspective o 1 Flat Shading 3D Embedding o 1 Desktop o 2 Dynamic o 1 Text Data o 2 Perspective o 2 Simple 3D Embedding o 1 Desktop o 2 Dynamic o 1 Text Data o 2 Perspective o 3 Ambient Occlusion 3D Embedding o 1 Desktop o 2 Dynamic o 2 Image Data o 1 Orthographic o 1 Flat Shading 3D Embedding o 1 Desktop o 2 Dynamic o 2 Image Data o 1 Orthographic o 2 Simple D Embedding o 1 Desktop o 2 Dynamic o 2 Image Data o 1 Orthographic o 3 Ambient Occlusion 3D Embedding o 1 Desktop o 2 Dynamic o 2 Image Data o 2 Perspective o 1 Flat Shading 3D Embedding o 1 Desktop o 2 Dynamic o 2 Image Data o 2 Perspective o 2 Simple 3D Embedding o 1 Desktop o 2 Dynamic o 2 Image Data o 2 Perspective o 3 Ambient Occlusion 3D Embedding o 2 HMD o 1 Static o 1 Text Data o 1 Orthographic o 1 Flat Shading 3D Embedding o 2 HMD o 1 Static o 1 Text Data o 1 Orthographic o 2 Simple 3D Embedding o 2 HMD o 1 Static o 1 Text Data o 1 Orthographic o 3 Ambient Occlusion 3D Embedding o 2 HMD o 1 Static o 1 Text Data o 2 Perspective o 1 Flat Shading 3D Embedding o 2 HMD o 1 Static o 1 Text Data o 2 Perspective o 2 Simple 3D Embedding o 2 HMD o 1 Static o 1 Text Data o 2 Perspective o 3 Ambient Occlusion 3D Embedding o 2 HMD o 1 Static o 2 Image Data o 1 Orthographic o 1 Flat Shading 100 3D Embedding o 2 HMD o 1 Static o 2 Image Data o 1 Orthographic o 2 Simple 3D Embedding o 2 HMD o 1 Static o 2 Image Data o 1 Orthographic o 3 Ambient Occlusion 3D Embedding o 2 HMD o 1 Static o 2 Image Data o 2 Perspective o 1 Flat Shading 3D Embedding o 2 HMD o 1 Static o 2 Image Data o 2 Perspective o 2 Simple 3D Embedding o 2 HMD o 1 Static o 2 Image Data o 2 Perspective o 3 Ambient Occlusion 3D Embedding o 2 HMD o 2 Dynamic o 1 Text Data o 1 Orthographic o 1 Flat Shading 3D Embedding o 2 HMD o 2 Dynamic o 1 Text Data o 1 Orthographic o 2 Simple 3D Embedding o 2 HMD o 2 Dynamic o 1 Text Data o 1 Orthographic o 3 Ambient Occlusion 3D Embedding o 2 HMD o 2 Dynamic o 1 Text Data o 2 Perspective o 1 Flat Shading 3D Embedding o 2 HMD o 2 Dynamic o 1 Text Data o 2 Perspective o 2 Simple 3D Embedding o 2 HMD o 2 Dynamic o 1 Text Data o 2 Perspective o 3 Ambient Occlusion 3D Embedding o 2 HMD o 2 Dynamic o 2 Image Data o 1 Orthographic o 1 Flat Shading 3D Embedding o 2 HMD o 2 Dynamic o 2 Image Data o 1 Orthographic o 2 Simple 3D Embedding o 2 HMD o 2 Dynamic o 2 Image Data o 1 Orthographic o 3 Ambient Occlusion 3D Embedding o 2 HMD o 2 Dynamic o 2 Image Data o 2 Perspective o 1 Flat Shading 3D Embedding o 2 HMD o 2 Dynamic o 2 Image Data o 2 Perspective o 2 Simple 3D Embedding o 2 HMD o 2 Dynamic o 2 Image Data o 2 Perspective o 3 Ambient Occlusion

3D Embedding o 2 HMD o 2 Dynamic o 2 Image Data o 2 Perspective o 3 Ambient Occlusion

150

0 10 20 30 40 50

0 10 20 30 40 50 30 20 10

150

median