Supplementary Material

Submission VMV #70

1 Results

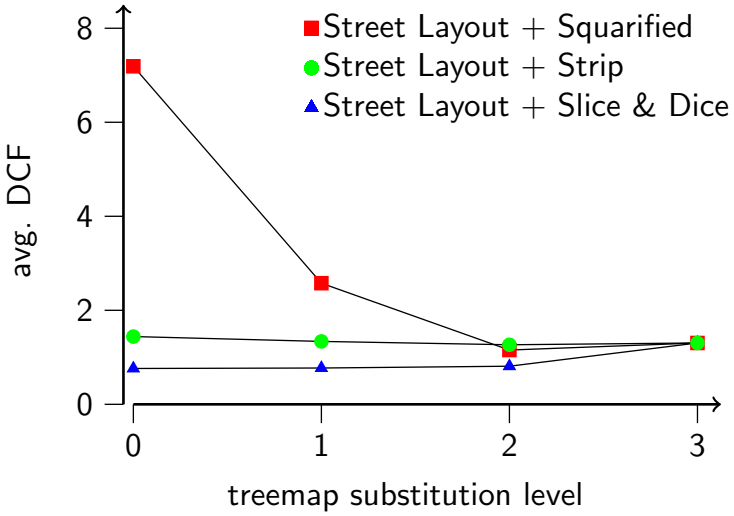

Figure 1: *Stability analysis of Street Layout in combination with different Treemap approaches based on 8x3 hierarchies. The substitution level indicates the level in the hierarchy from which the elements are represented through Treemaps. Level 0 corresponds to a complete Treemap and level 4 to an unmodified Street Layout.*

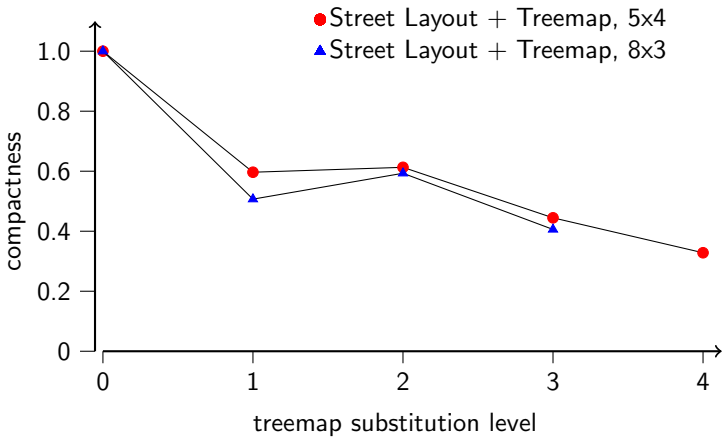

Figure 2: *Compactness analysis of Street Layout in combination with Treemaps based on a 5x4 and 8x3 hierarchy. The substitution level indicates the level in the hierarchy from which the elements are represented through Treemaps. Level 0 corresponds to a complete Treemap and level 3 and 4 respectively to an unmodified Street Layout.*

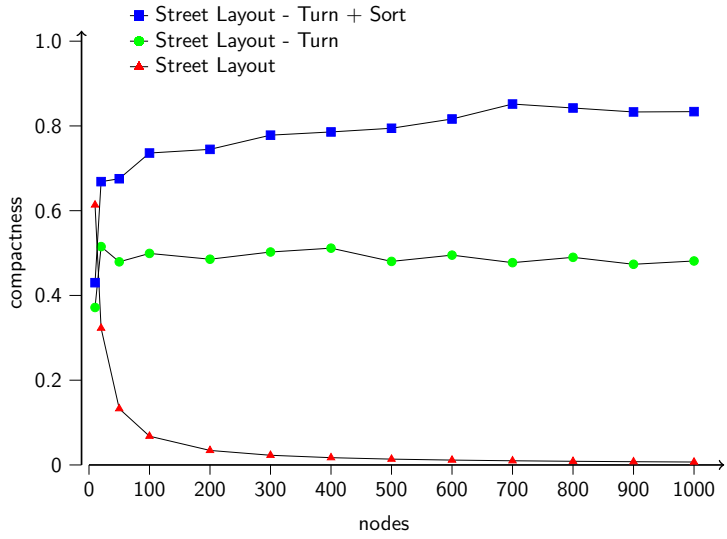

Figure 3: *Comparison of compactness between Street Layout, Street Layout with turning substreets and additional sorting based on flat hierarchies with increasing width up to 1000 elements.*

2 Visualization of the OpenSceneGraph Project

Figure 4 visualizes the SVN project with the default Street Layout. Figure 5, 6 and 7 exemplify our approaches. Color indicates the amount of modification over the recent 500 revisions. (red=highly modified parts, gray=low modifications)

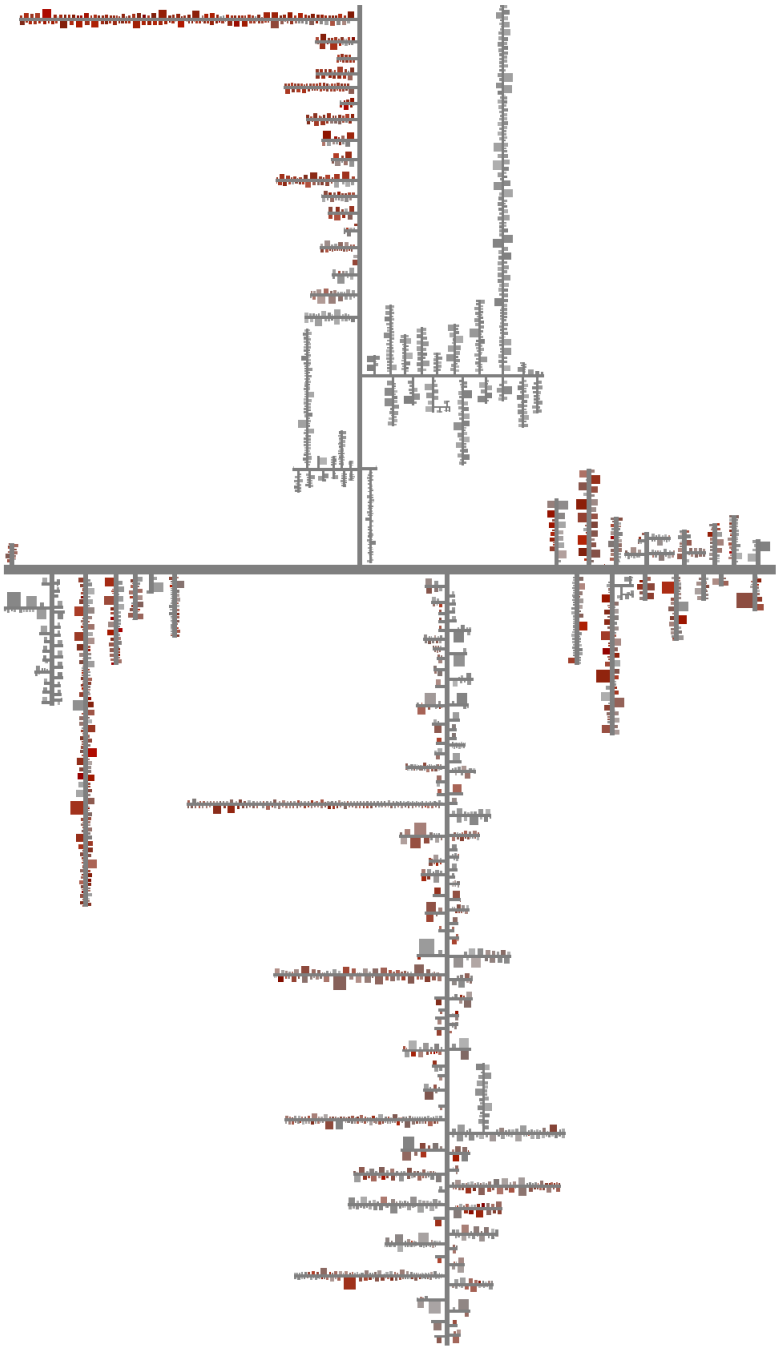

Figure 4: *Visualization of the OpenSceneGraph project using the Street Layout without any extensions.*

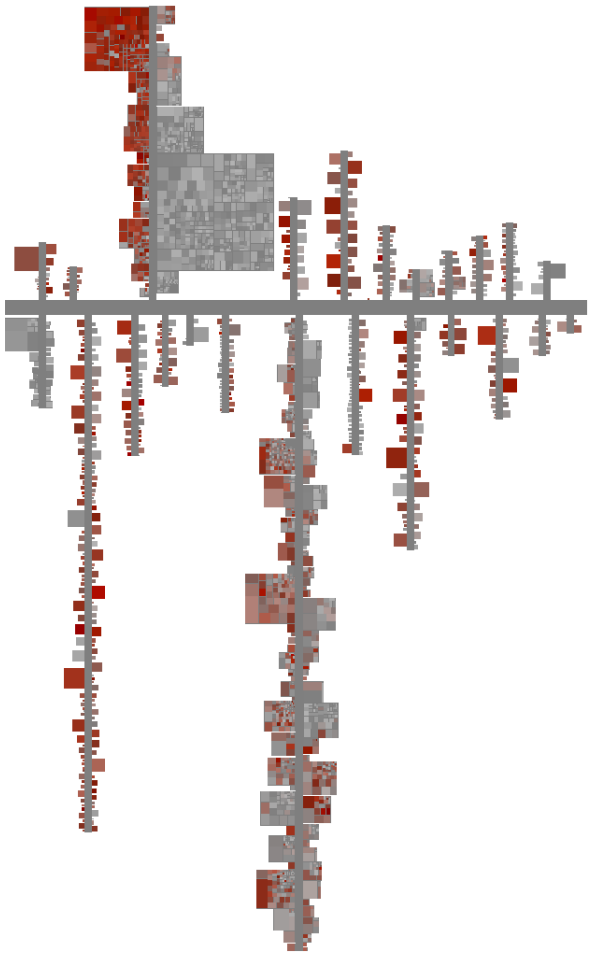

Figure 5: *Visualization of the OpenSceneGraph project using the Street Layout in combination with Treemaps.*

Figure 6: *Visualization of the OpenSceneGraph project using the Street Layout in combination with Treemaps and additional turns.*

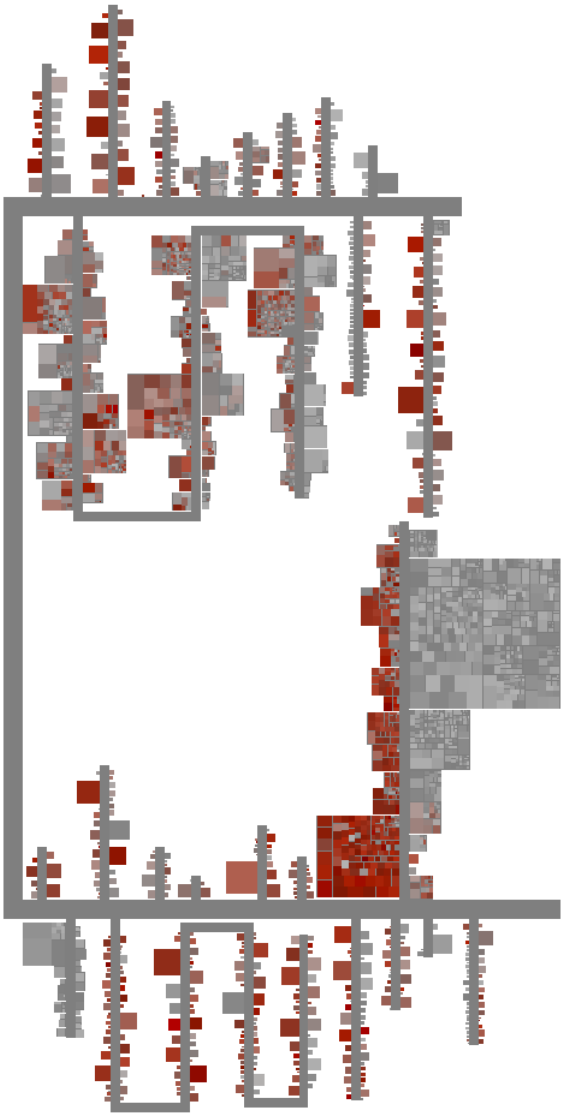

Figure 7: *Visualization of the OpenSceneGraph project using the Street Layout in combination with Treemaps and additional turns.*