TOWARDS A TOPOLOGICAL PROOF OF THE FOUR COLOR THEOREM XII

OLIVER KNILL

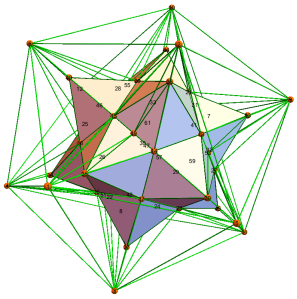
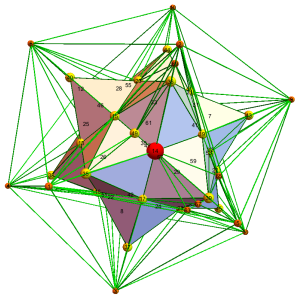
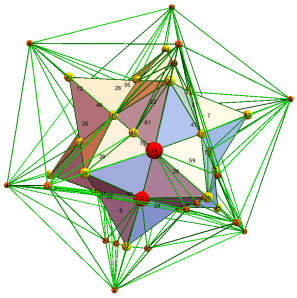
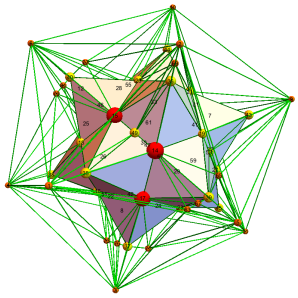
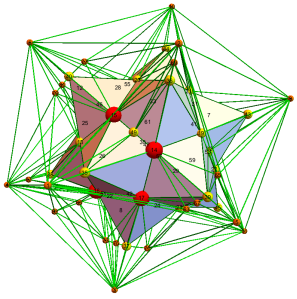
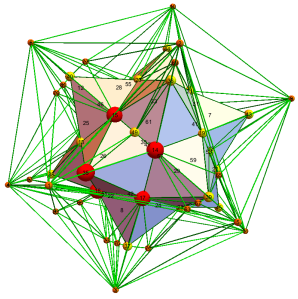
Abstract. Some pictures from the subdivision implementation

We apply the knife consecutively to spheres increasing the domain which is Eulerian. Still to be done is automatically finding a good subdivision if the graph is too small as well as to have a good strategy to increase the disc on which things are done.

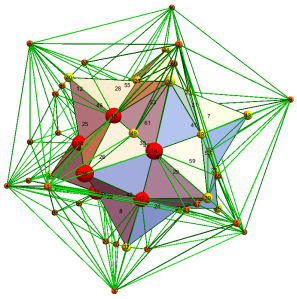
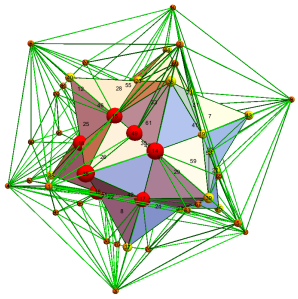
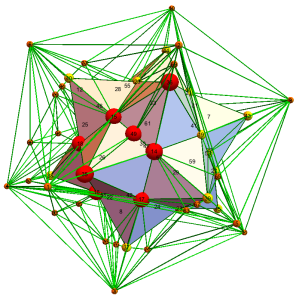
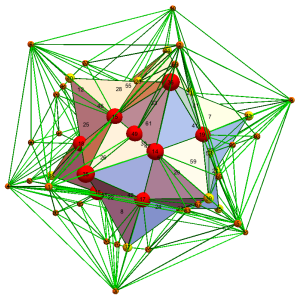
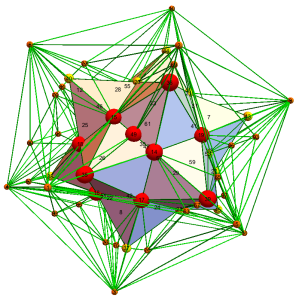
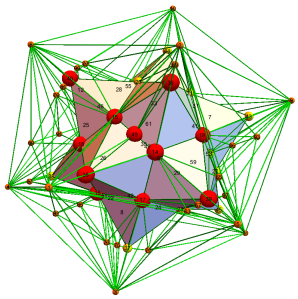
Date: March 17, 2015, part of public research diary. Possibly and likely to be buggy.

1991 *Mathematics Subject Classification.* Primary: 05C15, 05C10, 57M15 .

Key words and phrases. Chromatic graph theory, Geometric coloring.

TOWARDS A TOPOLOGICAL PROOF OF THE FOUR COLOR THEOREM XII3

Department of Mathematics, Harvard University, Cambridge, MA, 02138