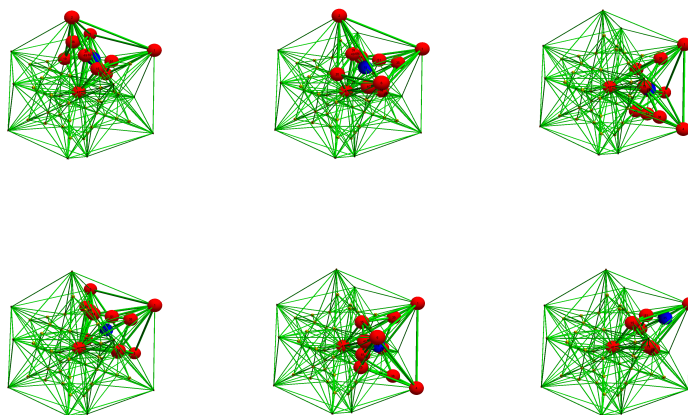


TOWARDS A TOPOLOGICAL PROOF OF THE FOUR COLOR THEOREM VII

OLIVER KNILL

ABSTRACT. Illustration of the spheres touching the boundary

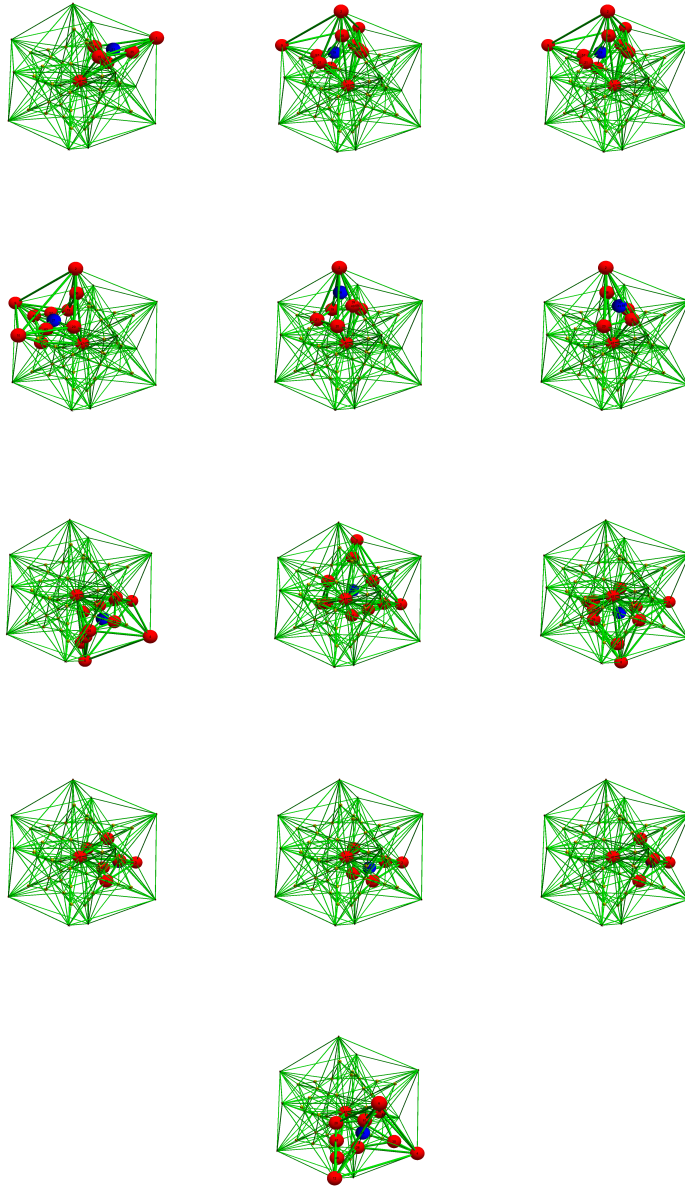
Here are a few unit spheres, which we now will have to deal with. We see that the intersection with the outer sphere is always contained in a triangle.



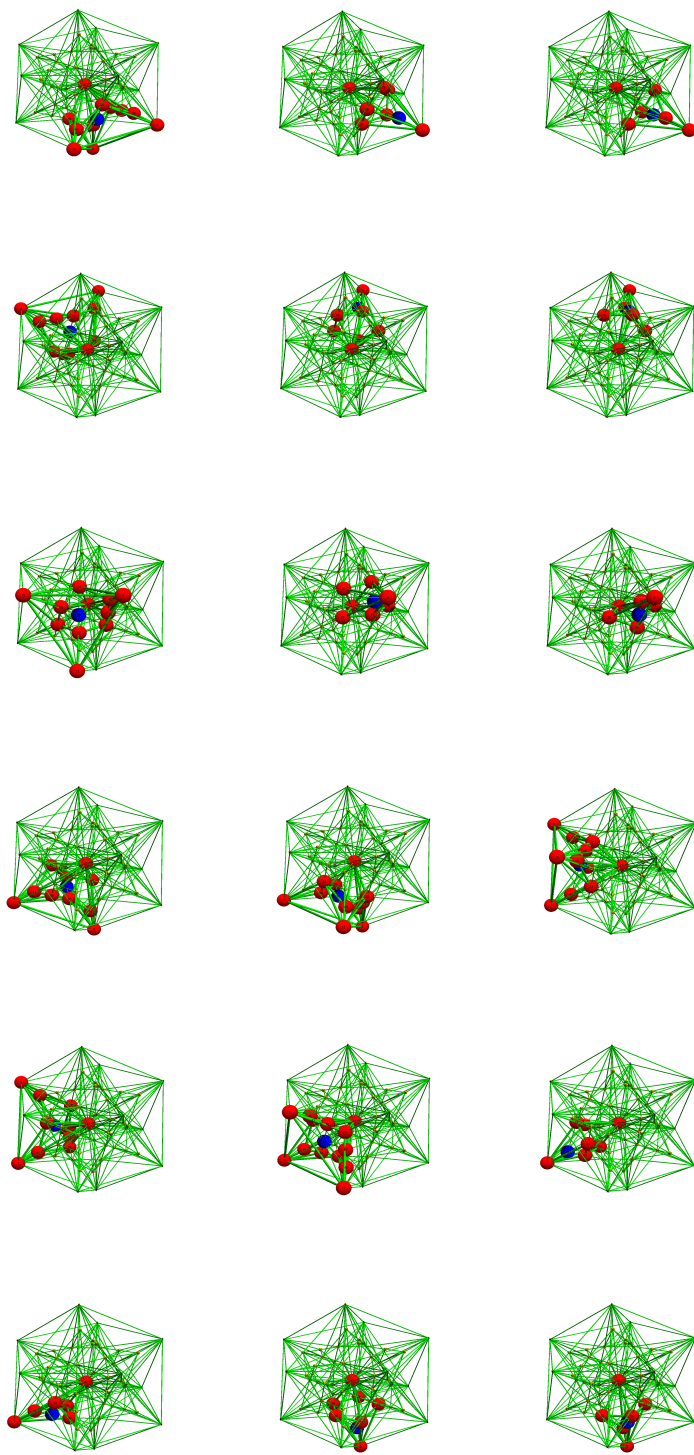
Date: February 8, 2015, part of public research diary. Possibly and likely to be buggy.

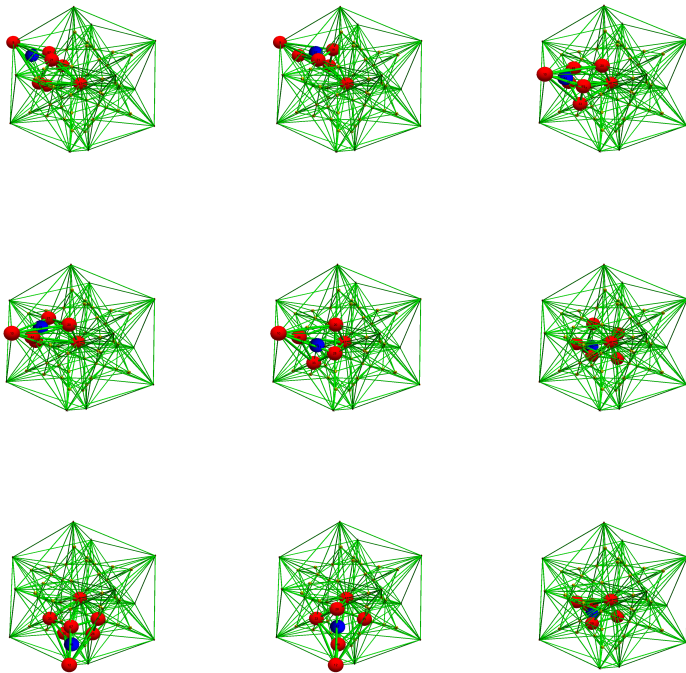
1991 Mathematics Subject Classification. Primary: 05C15, 05C10, 57M15 .

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



TOWARDS A TOPOLOGICAL PROOF OF THE FOUR COLOR THEOREM VII3





TOWARDS A TOPOLOGICAL PROOF OF THE FOUR COLOR THEOREM VII5

REFERENCES

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