

# The Inequality of Heawood (translation)

December 14, 2021. For any simplicial  $n$ -complex which is topologically embeddable in  $2n$ -space it seems this inequality comes out from just my papers from the eighties and nineties. Further, that the absence to this embeddability of van Kampen's obstruction, is equivalent to the generic absence from the deleted join of  $\pi(n+1)$  specific antipodal  $(2n+1)$ -spheres. Where, for  $n=1$ , these two 3-spheres are the deleted joins of the two graphs that are familiar to us from the planarity criterion of Pontryagin and Kuratowski. For more see the soon to appear next installment of my miscellany.