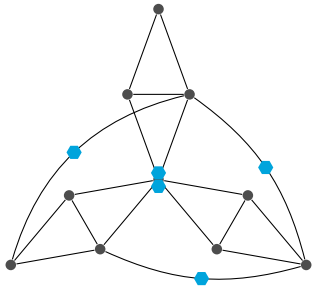
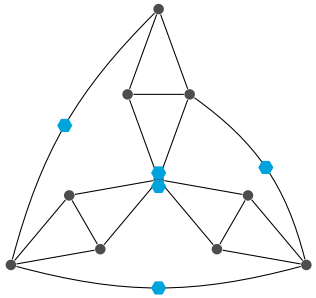
In this document, we list all simple graphs with at most 10 vertices for which the corresponding metric graph has lower gonality. The small blue hexagons represent a divisor with rank at least 1 and minimal degree on the 2-subdivision of the depicted graph. The graphs G in Figures 8, 21, and 29 satisfy $\mathrm{dgon}(\Gamma(G)) = 6$ and $\mathrm{dgon}(G) = 7$, and all other graphs G satisfy $\mathrm{dgon}(\Gamma(G)) = 5$ and $\mathrm{dgon}(G) = 6$. These counterexamples were found by checking all simple graphs on at most 10 vertices. For this we used the program `geng` from the `gtools` suite packaged with `nauty` to generate all graphs. The captions correspond to the `graph6` encodings of the graphs, as generated by `geng`.

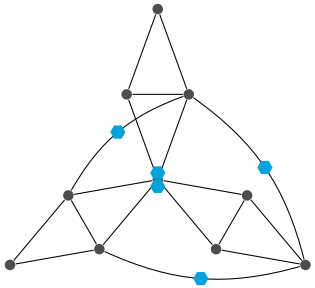
Graph 1: ICOceRc~?



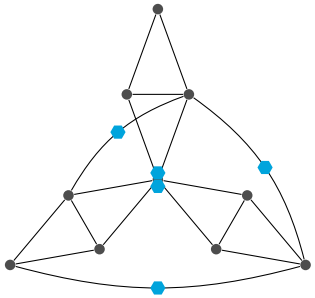
Graph 2: ICOceRc^_



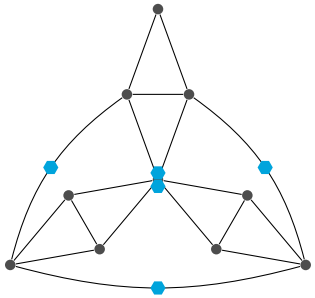
Graph 3: ICOceRc|O



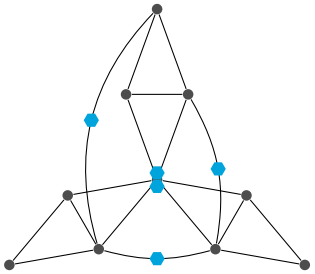
Graph 4: ICOceRcnO



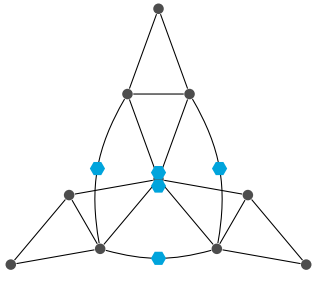
Graph 5: ICOceRc\o



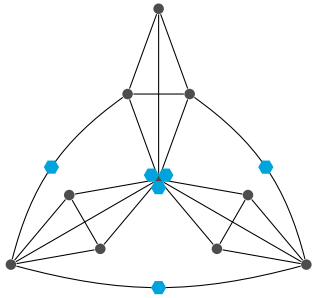
Graph 6: ICOceRc}G



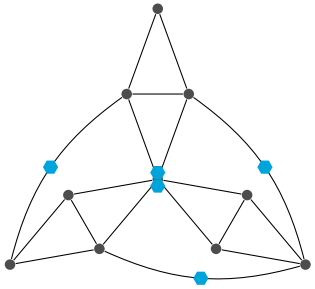
Graph 7: ICOceRc{W



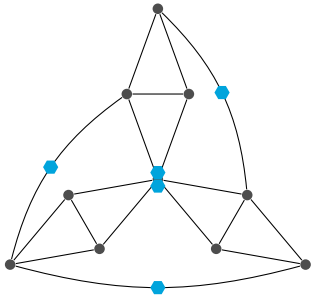
Graph 8: ICOceRc~w



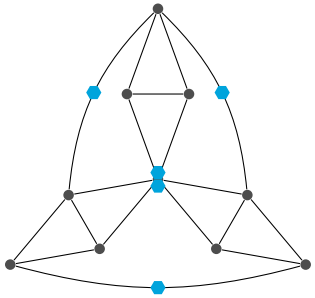
Graph 9: ICOcePs~?



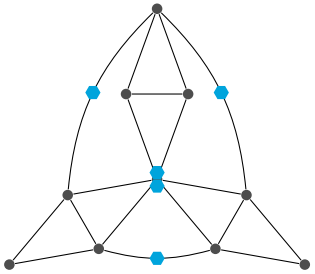
Graph 10: ICOcePsz_



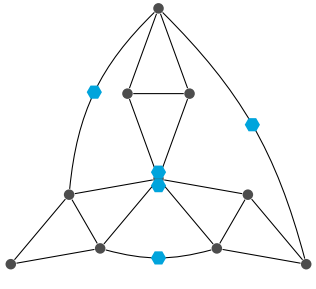
Graph 11: ICOcePs^_



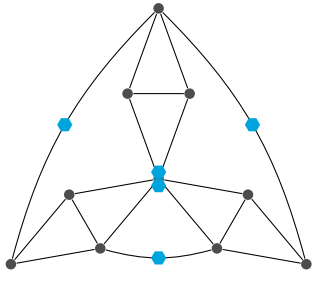
Graph 12: ICOcePs|O



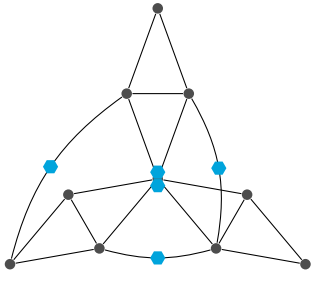
Graph 13: ICOcePsnO



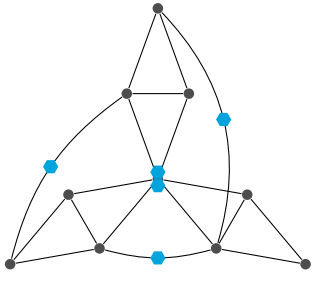
Graph 14: ICOcePsjo



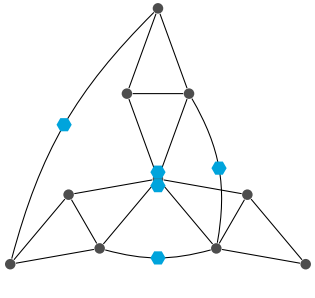
Graph 15: ICOcePs}G



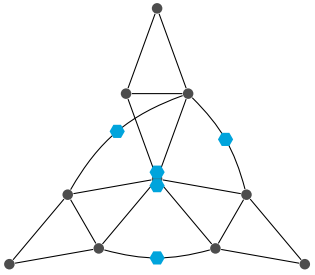
Graph 16: ICOcePsyg



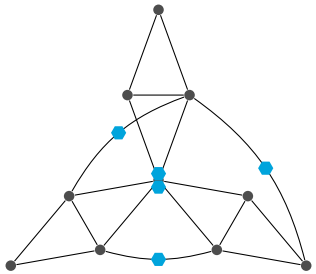
Graph 17: ICOcePs]g



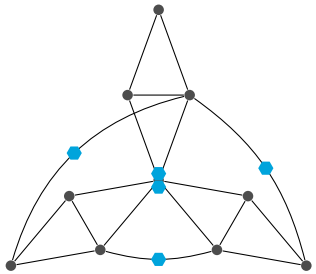
Graph 18: ICOcePs{W



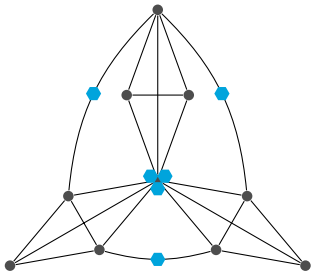
Graph 19: ICOcePsmW



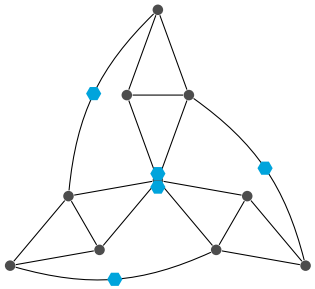
Graph 20: ICOcePsiw



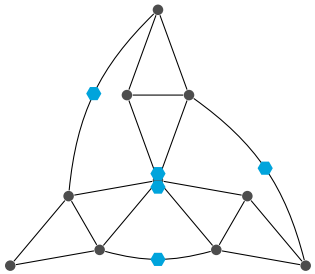
Graph 21: ICOcePs~w



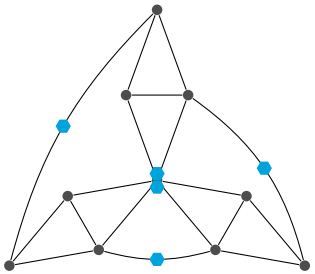
Graph 22: ICOedHg~?



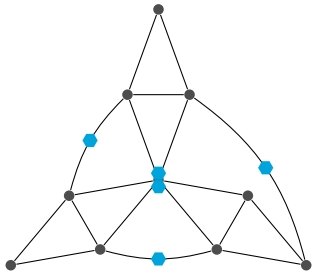
Graph 23: ICOedHgz_



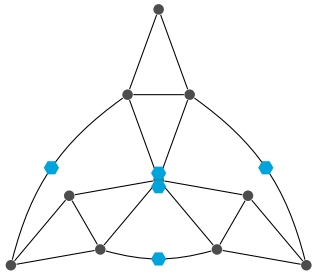
Graph 24: ICOedHg^_



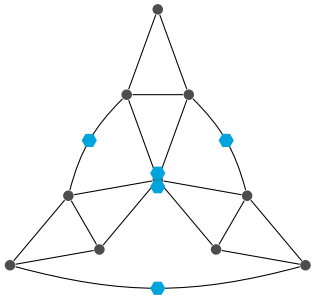
Graph 25: ICOedHgyo



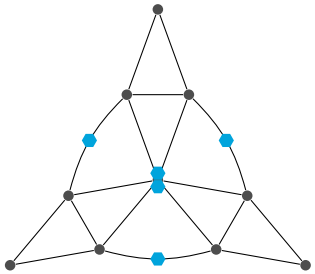
Graph 26: ICOedHg]o



Graph 27: ICOedHgro



Graph 28: ICOedHgww



Graph 29: ICOedHg~w