Free Set on Weird (or Super) Geometry: Maps to Taxonomizations & Asymmetry Cravings

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Joke: Oh! No gosh-awful (naked diva vodka) shots as no one here expects! :)

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Universe’s utopic reality! ~ our core value, impalpable, asymmetrical monsters stacking! Free! Be monarchs over hermeneutics, alchemists, man-made mind-warps & World Government! By conquest or consent :-}
The Philosophy of this stuff, almost surely, leaves any open stuff open!
Ah, but wait! Not so fast! This manipulation, I think is wrong! We are only looking for an open set within the set of geometric blah blah!

(And, any geometric blah blah has to satisfy the above relations, so nothing is lost!)
Okidoki now, in finding a geometric blah blah for the genus of polyhedron w/ 6g-6 degree of freedom and as much freedom as possible, we anticipate a relation for each “lens”

\[ \text{i.e., 6g-5 relations, leaving one degree off & maybe, terribly: Another one degree for fitting things up in the end; that would mean that they are indeed generally rigid in their “edge-}O(n)-\text{tus”} \]
O.K.: Finish the combinatorial stuff & start scripting while working other geometric stuff? (Hmm, not yet!)
When we change one arrow

Suppose on LHS, every face had 3 outward pointers; then, on RHS, every face has 2 to 1 obstruction, and face 2 suddenly has 4 to \( \wedge \) degree of freedom. So, hey presto! Solved \#2!

**Now claim:** Every genus \( g \) trivalent closed connected graph has \( 6g-6 \) free edges. Then, \( V - E + F = 2g - 2 \)

The other way around, \( 2V = 3E \rightarrow V = \frac{3}{2}E \)

\[ \rightarrow \frac{3}{2}E - E + F = \frac{1}{2}E + F = 2g - 2 \]
O.K., now that changes a lot (& makes our life easier)
Actually, we might want to review this whole coloring business:
affects (a priori) 2 faces, or is there some

(other reason why the deg is indep of coloring?)

o.k., suppose not, suppose 2 coloring with \( \neq \) degree
Then,

#1  Relate two colorings? (E.g., by rotating faces & sliding freedom & obstruction)

#2  The degree of freedom is well defined
Not so complicated. ❤️

Any two edges are connected by an outward path, because any edge is outward pointing to some face. (Missing an arrow somewhere?) ❤️
A general thing to “queue” us to eliminate lots of Cases: Given trivalent graph, can we rotate or recolor?

Case 1

[diagram, not imperative]

Case 2, more interesting:
Could have anticipated 6-1 here!
Kind of Uniformization:

i.e., we aim to show that our hexagonal kit is optimal

Plus: Considering two n-gons with drilled-pentagon hut, the two n-gons each passes out 3 arrows which flow on to conflicts, i.e., 6 conflicting arrows in total (as usual)
If one of them is here, then we result to trouble.

If both, then we face...

... for that fact

... facing (up... arrow)
4 ~Delta moves → pyramid
+ another = triangle

- Actually, we don’t really want! B/c we don’t like triangles, but we wouldn’t mind.

- We ain’t got any to make disappear, and making some is only making things worse.
Can we get by with 2 or 3 only? (I think we can)
Then adjust the making of faces

Loosing an outward guy on one face, winning one on another
Genus $g$ surface decomposition can be joined by action, for example, a (finite) sequence of the following local moves:

#1:

#2:

#3:
Conjecture: A trivalent genus $g$ of diagram has $6g-6$ degrees of combinatorial freedom.

NB:

☆ Subdividing faces (at the extreme into all triangles) we can easily get much less freedom.

☆ Subdividing: 2 triangles correspond to making it all pyramids.

☆ Trivalency corresponds to triangulated polyhedron. It makes sure that this is the most flexible possible b/c the faces are “broken.”
(analogously, a High Klein Bottle)

NB: Again if we were to cap it off, we get -6
We glue two such monsters along that face 6 degree of freedom, to make a tight diagram?
I don't know, we were a disgusting bunch of egoistic trumping Mathematical ideograms ♥

No dim continuous in our → Tea Break :-) for Path Coherence Of Thought ♥
New algebras life

~ We derived some more credible necessarian primordial logics
❤️ ~ Some beautiful things we’ve been ignoring! ❤️

Applications (Monstrously Forceful!)

~ IP plaques to large-calibre project. Enough said
~ It’s certainly not a fanfare! ❤️

May the party go on, pls!
Thank You