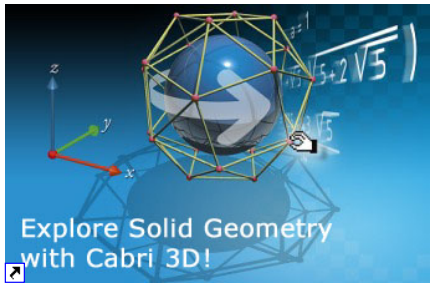
Park City Mathematics Institute

Secondary School Teachers Program (SSTP)

Cabri 3D
5-minute short
Steve Phelps
Cincinnati e-table

email me at
sphelps@madeiracityschools.org



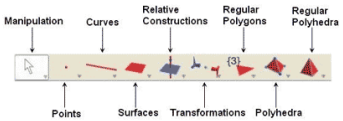
Where to get it!

http://www.chartwellyorke.com/cabri3d/cabri3d.html

What are you waiting for?
Download a demo!

CABRI® 3D Interactive Geometry

http://www.chartwellyorke.com/cabri3d/demo.html

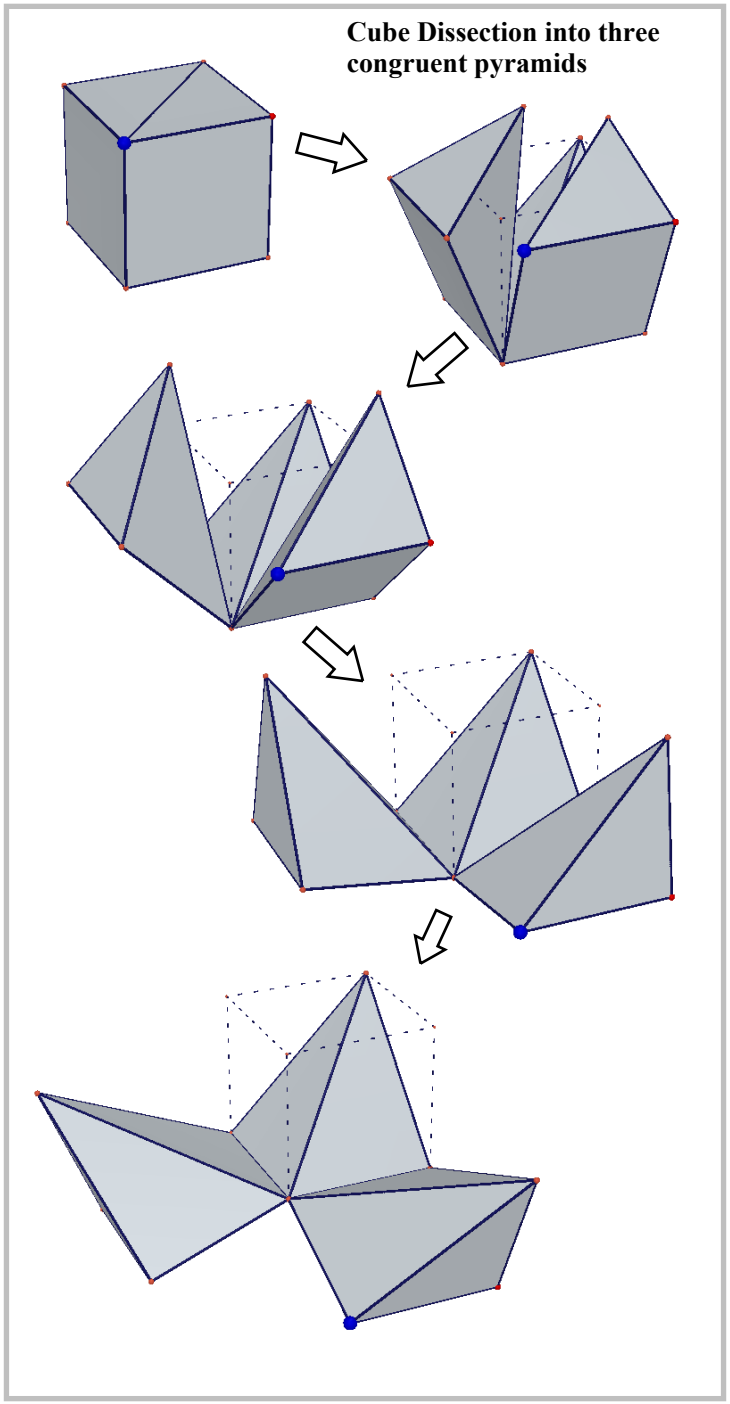


A good introduction/tutorial

http://www.chartwellyorke.com/cabri3d/introtocabri3d.htm

Some good tutorials

http://www.m-a.org.uk/cabri/



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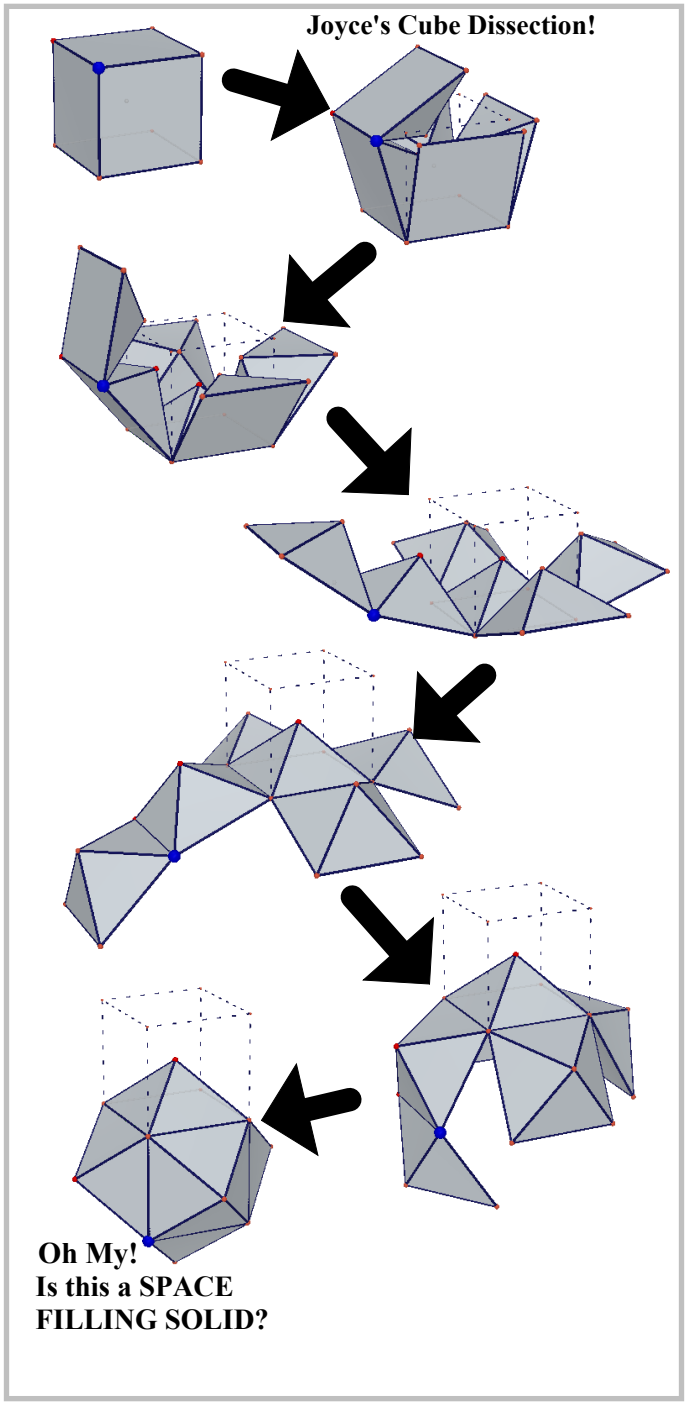

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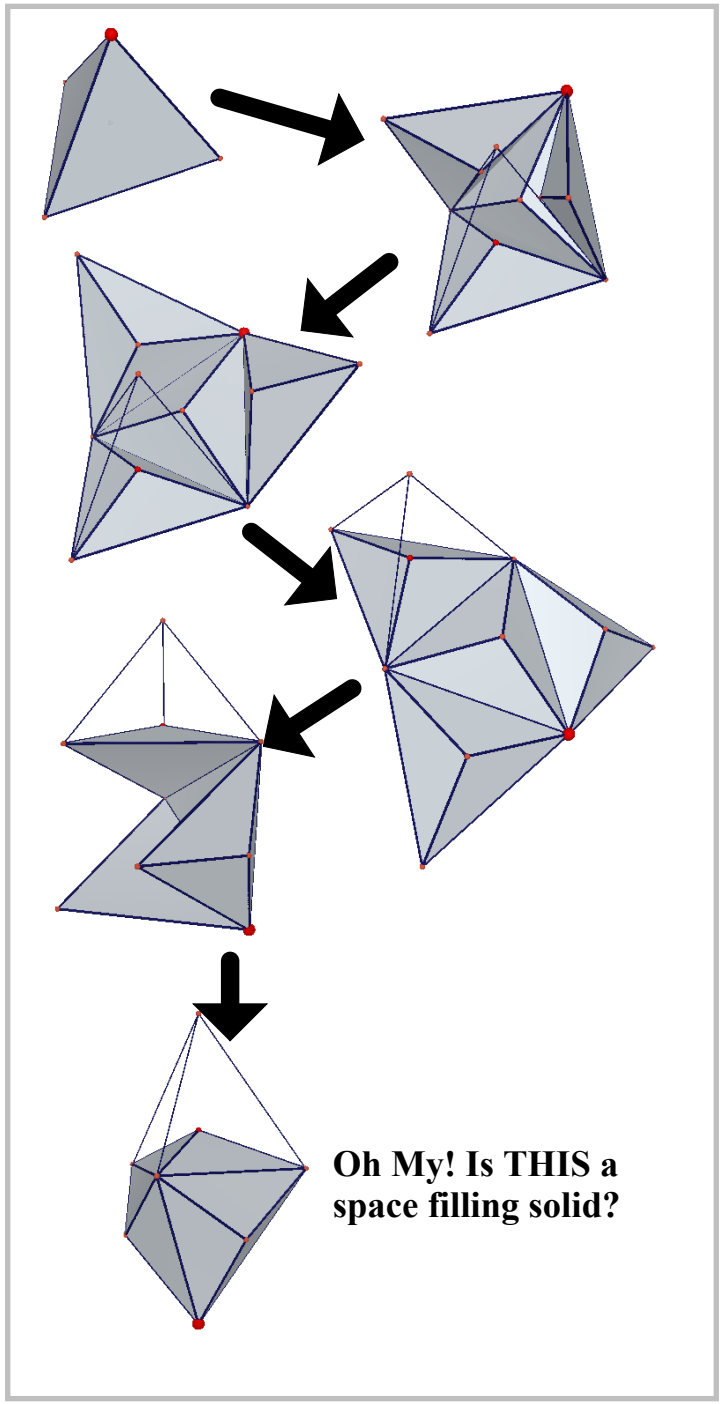
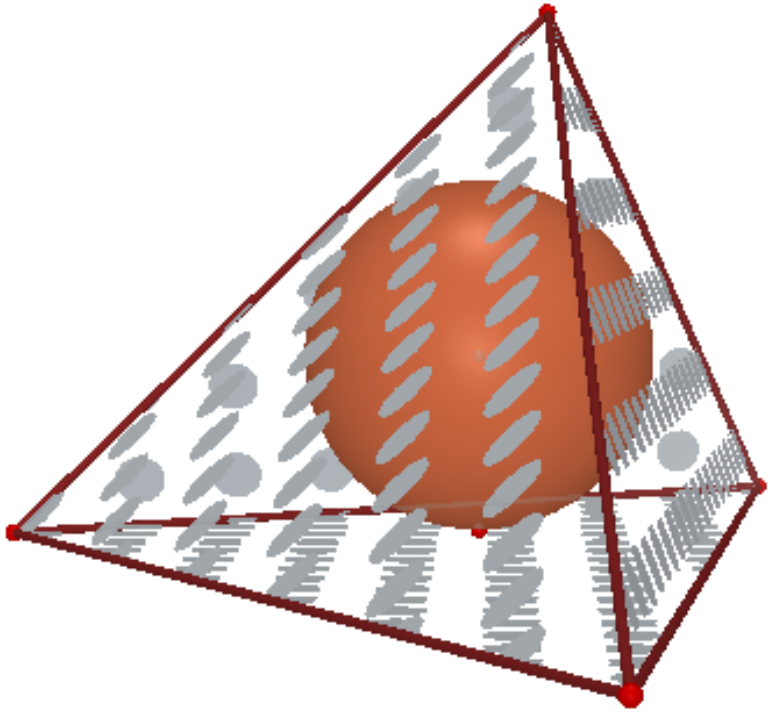
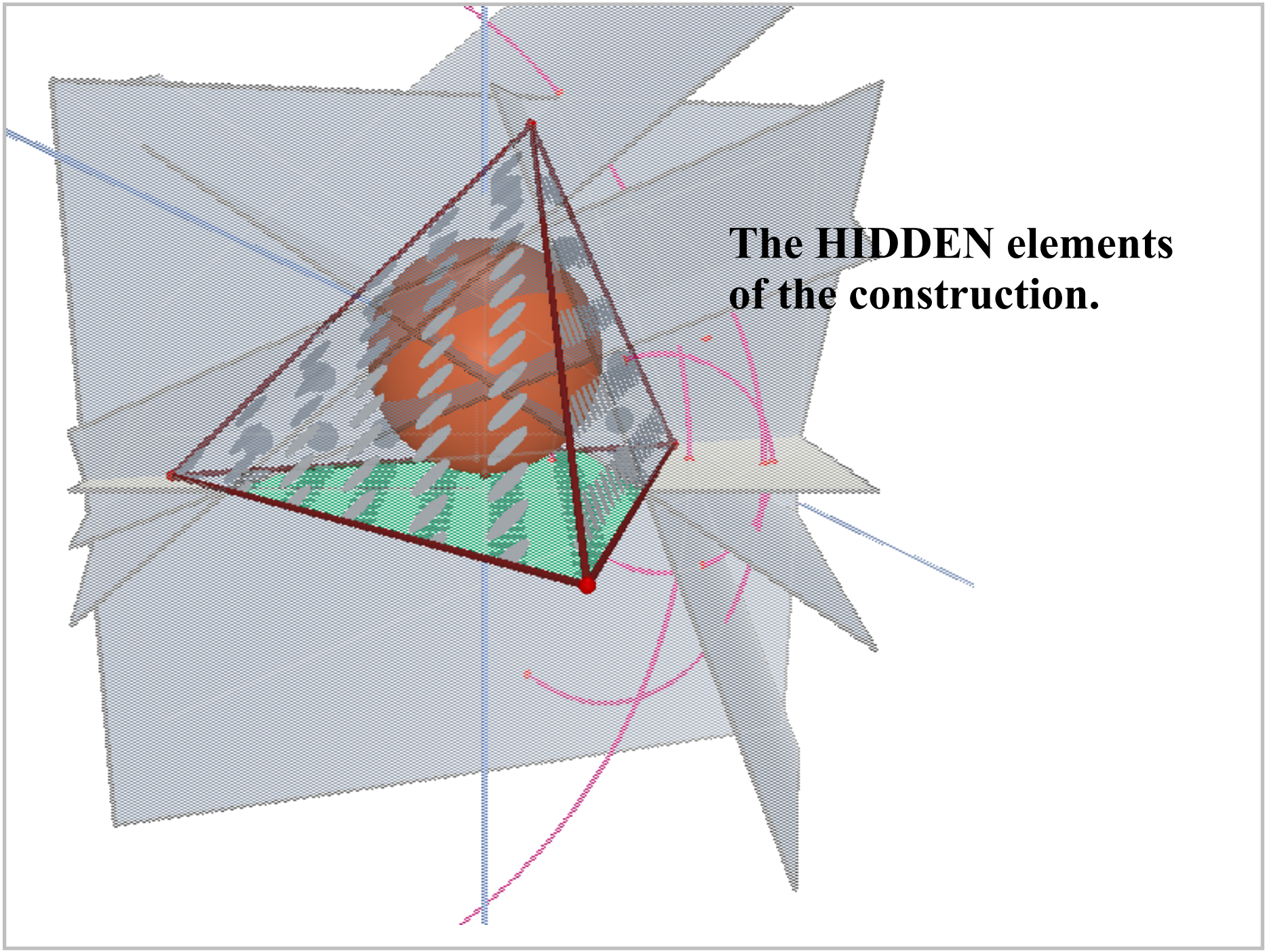


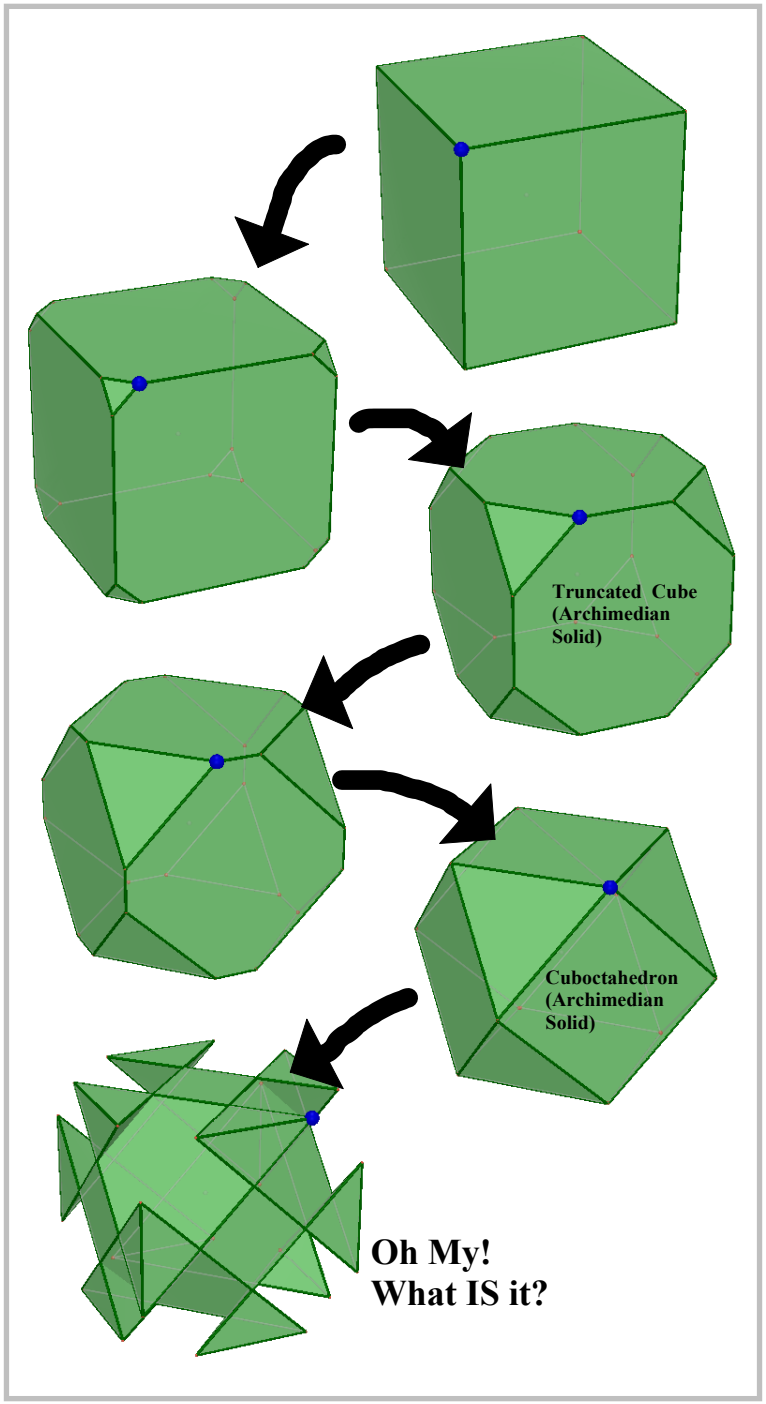
Title: Aug 1 - 11:44 AM (4 of 13)

Proposition 54 from Seymour and Smith's SOLID GEOMETRY, 1949

Inscribe a sphere in any tetrahedron




The HIDDEN elements
of the construction.



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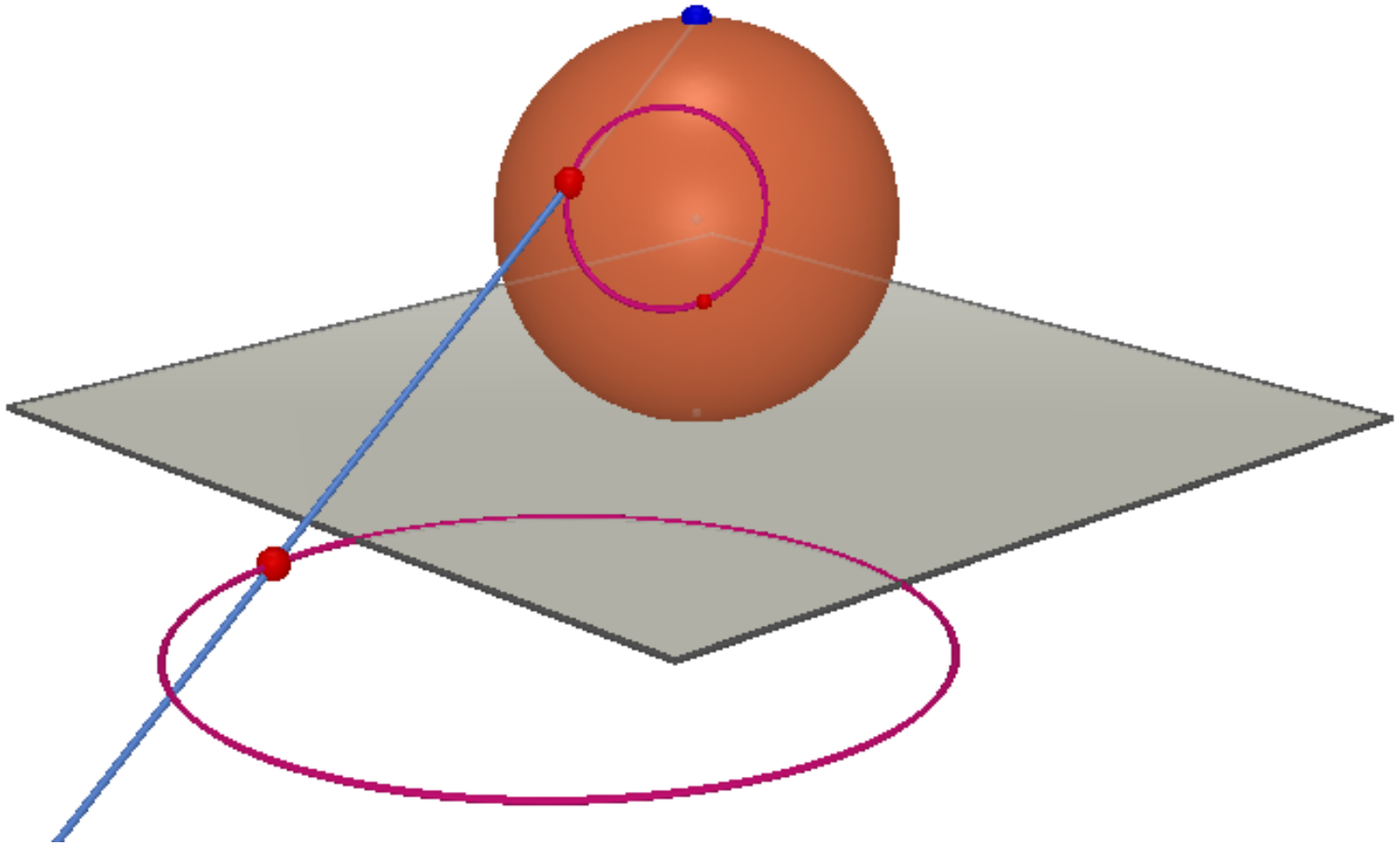
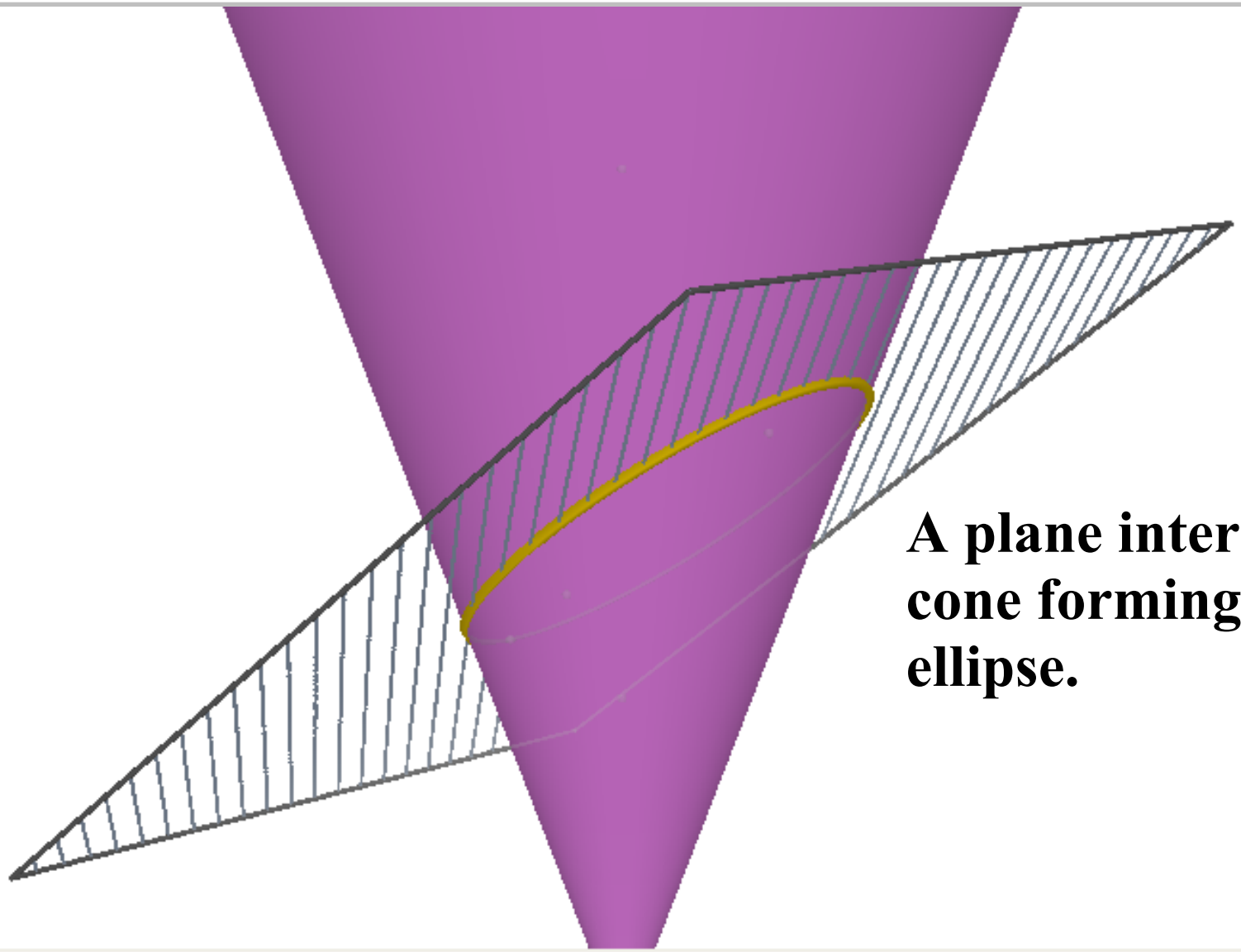
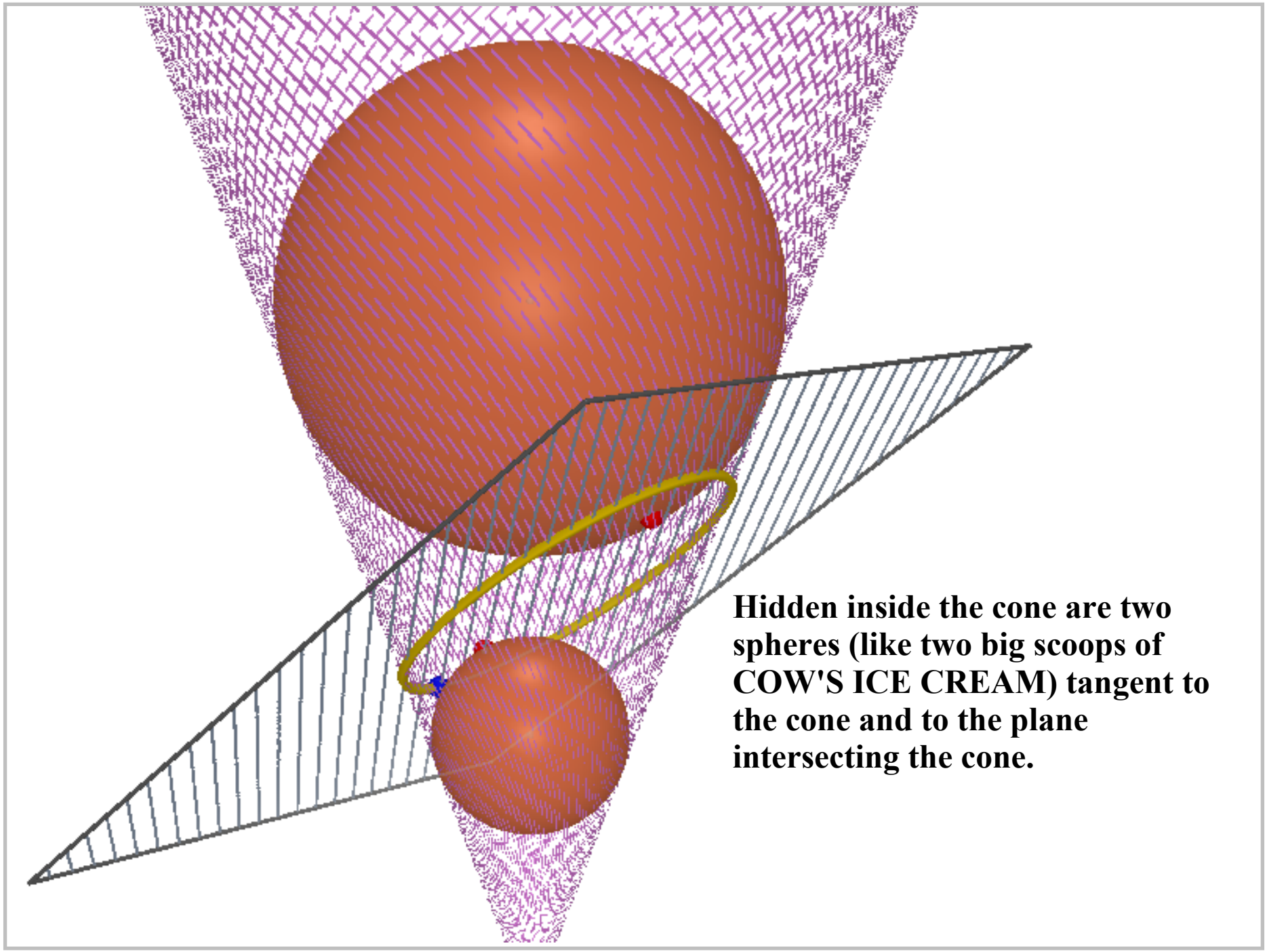


Stereographic Projection



A plane intersects a cone forming an ellipse.



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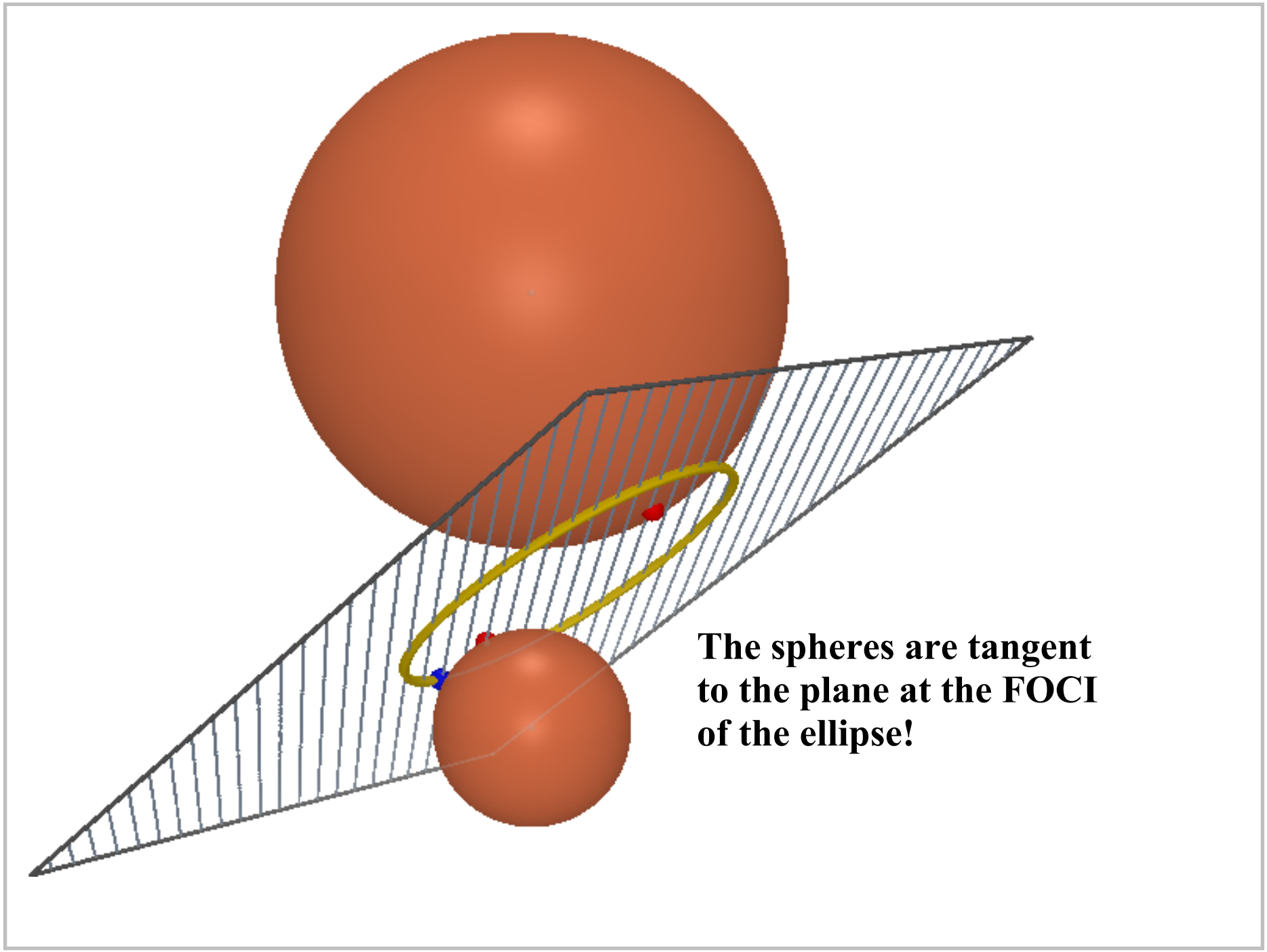
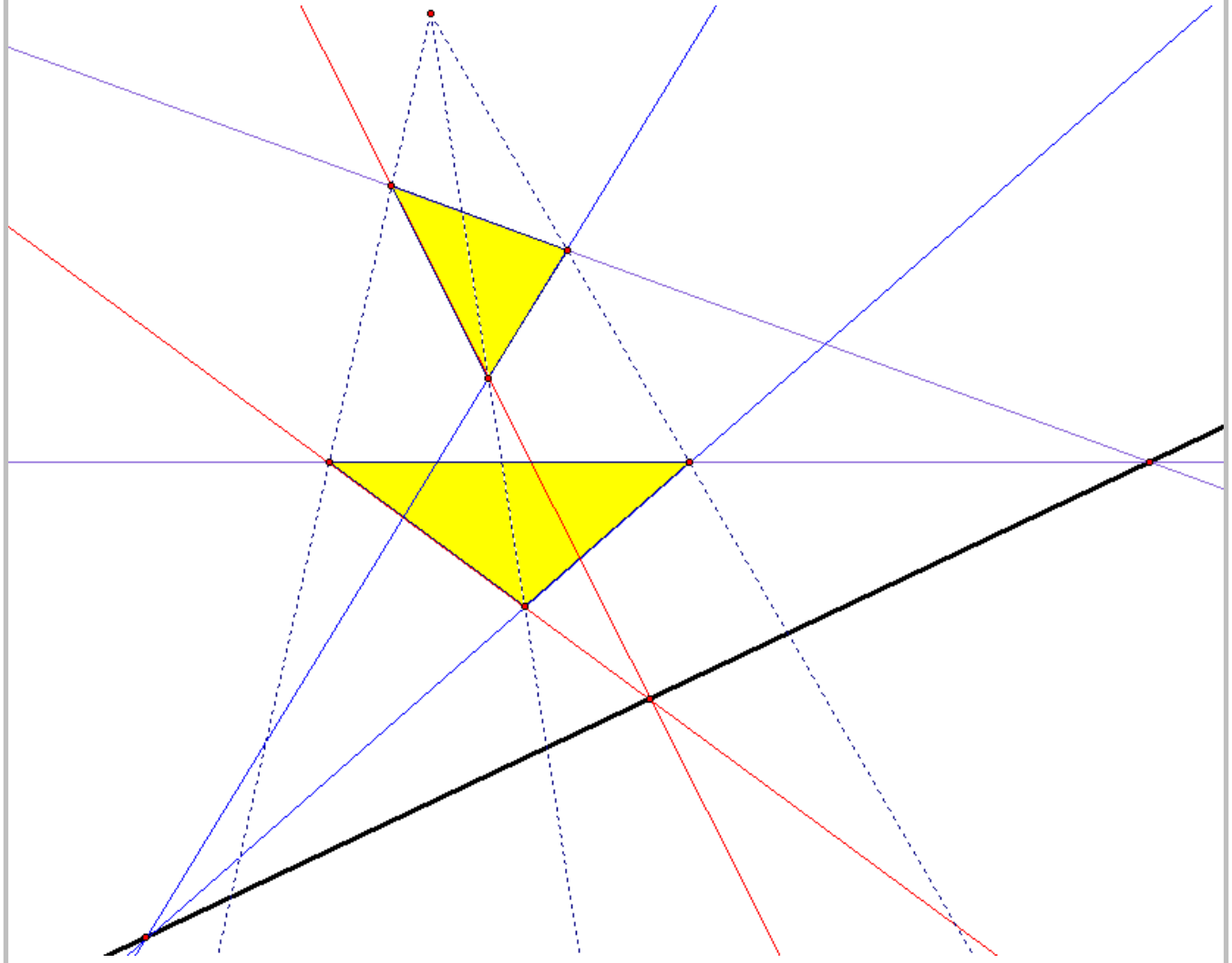
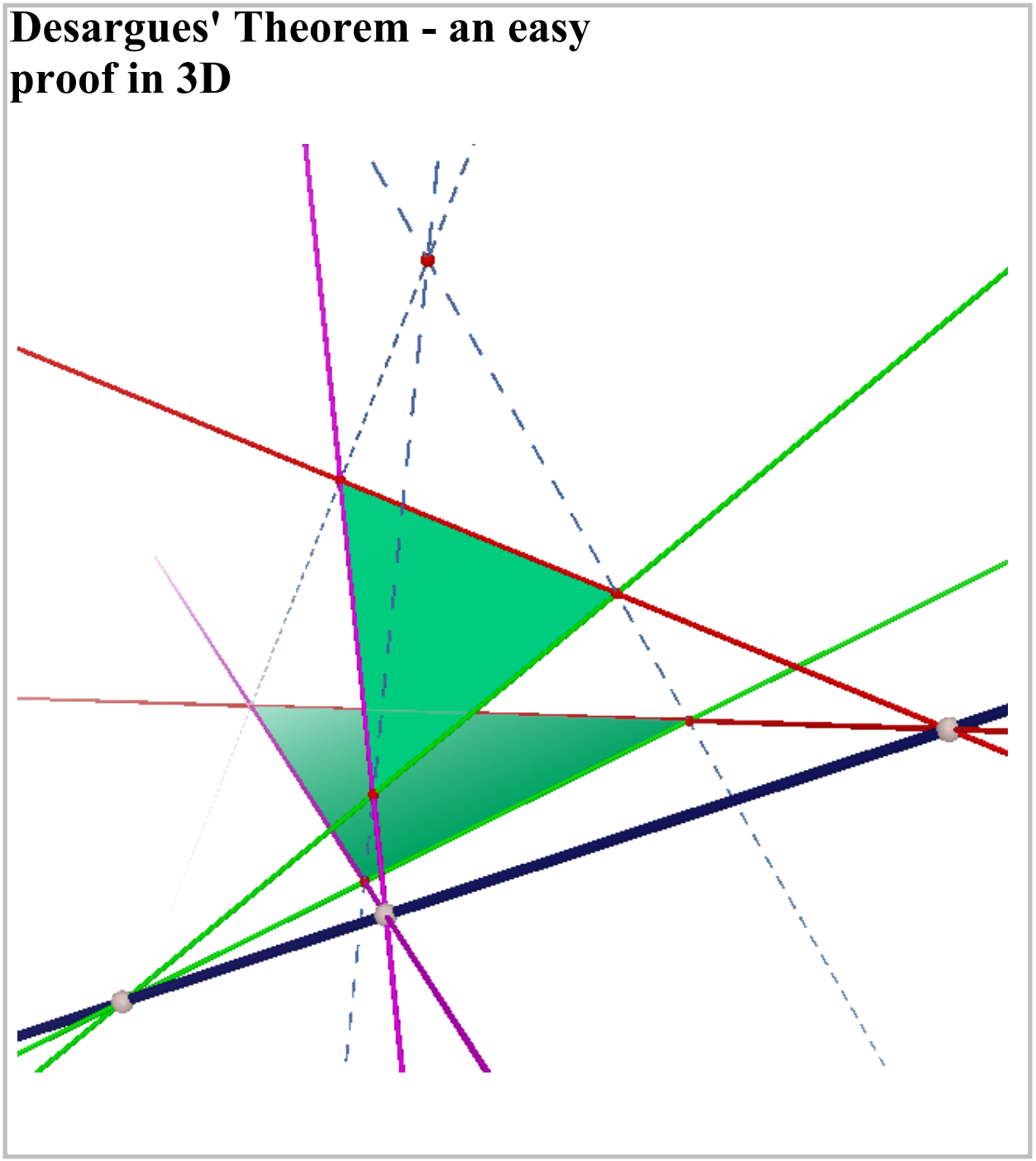

The spheres are tangent
to the plane at the FOCI
of the ellipse!

Desargues' Theorem

Two triangles perspective with a point are perspective with a line.



Desargues' Theorem - an easy proof in 3D



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