

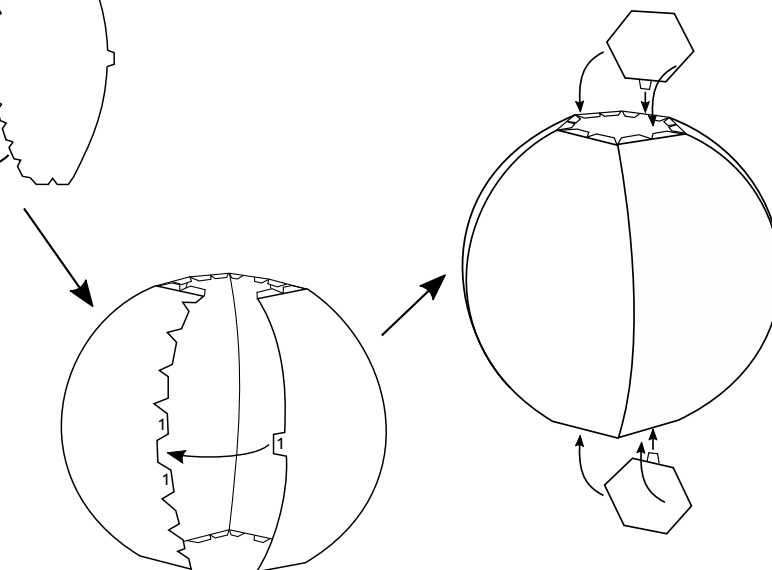
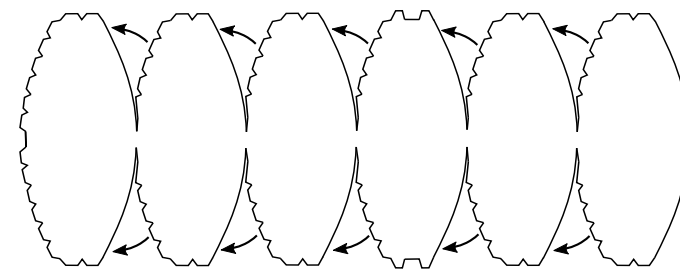


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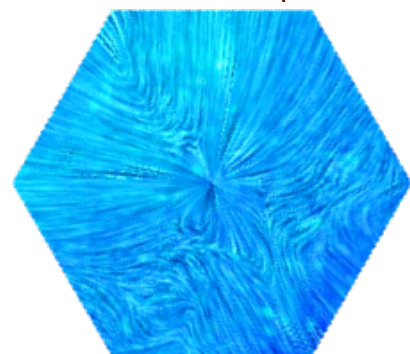


# Synchrotron magnetic field paper sky ball



Synchrotron emission is caused by high energy electrons spiralling around in the galaxy's magnetic field, which generates polarized radio waves  $90^\circ$  to the field. Here that  $90^\circ$  twist is added to polarization data to trace the magnetic field shown as the fine grain grey structure that is superimposed on the coloured unpolarized synchrotron map.

Galactic south pole



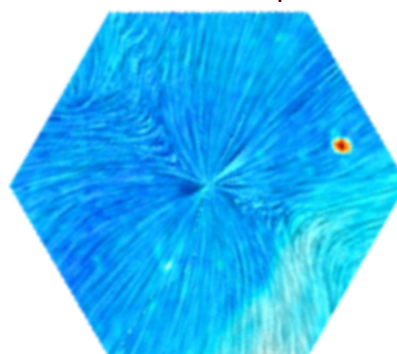
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Alternative pole label



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Galactic north pole



2

