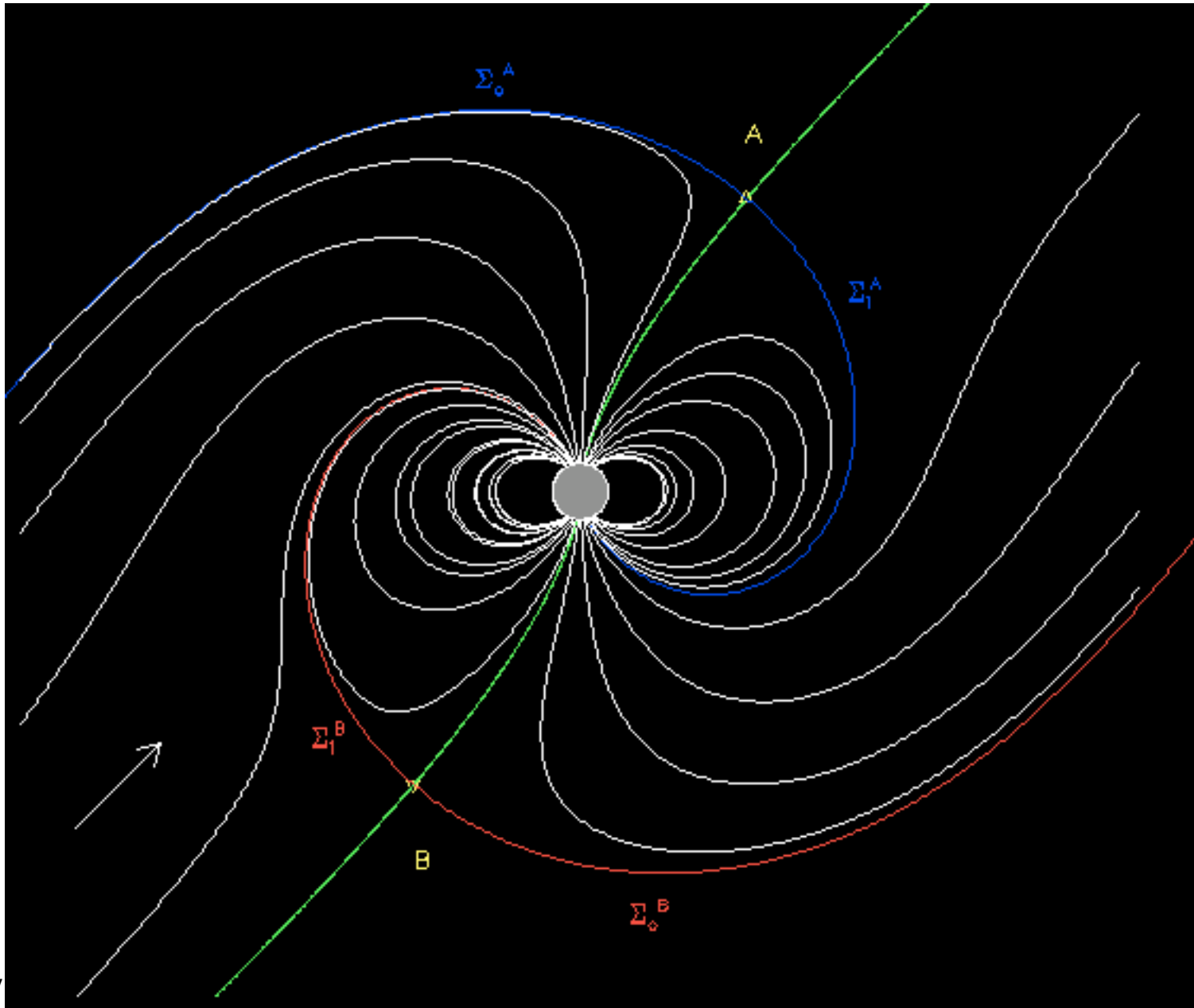


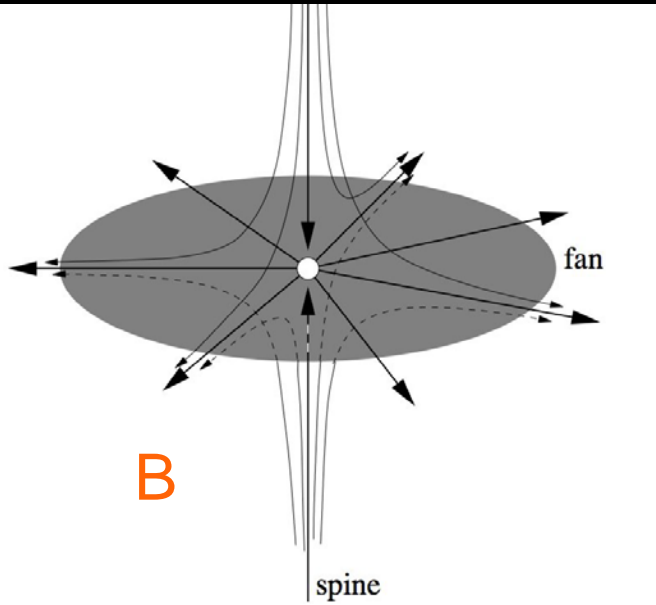
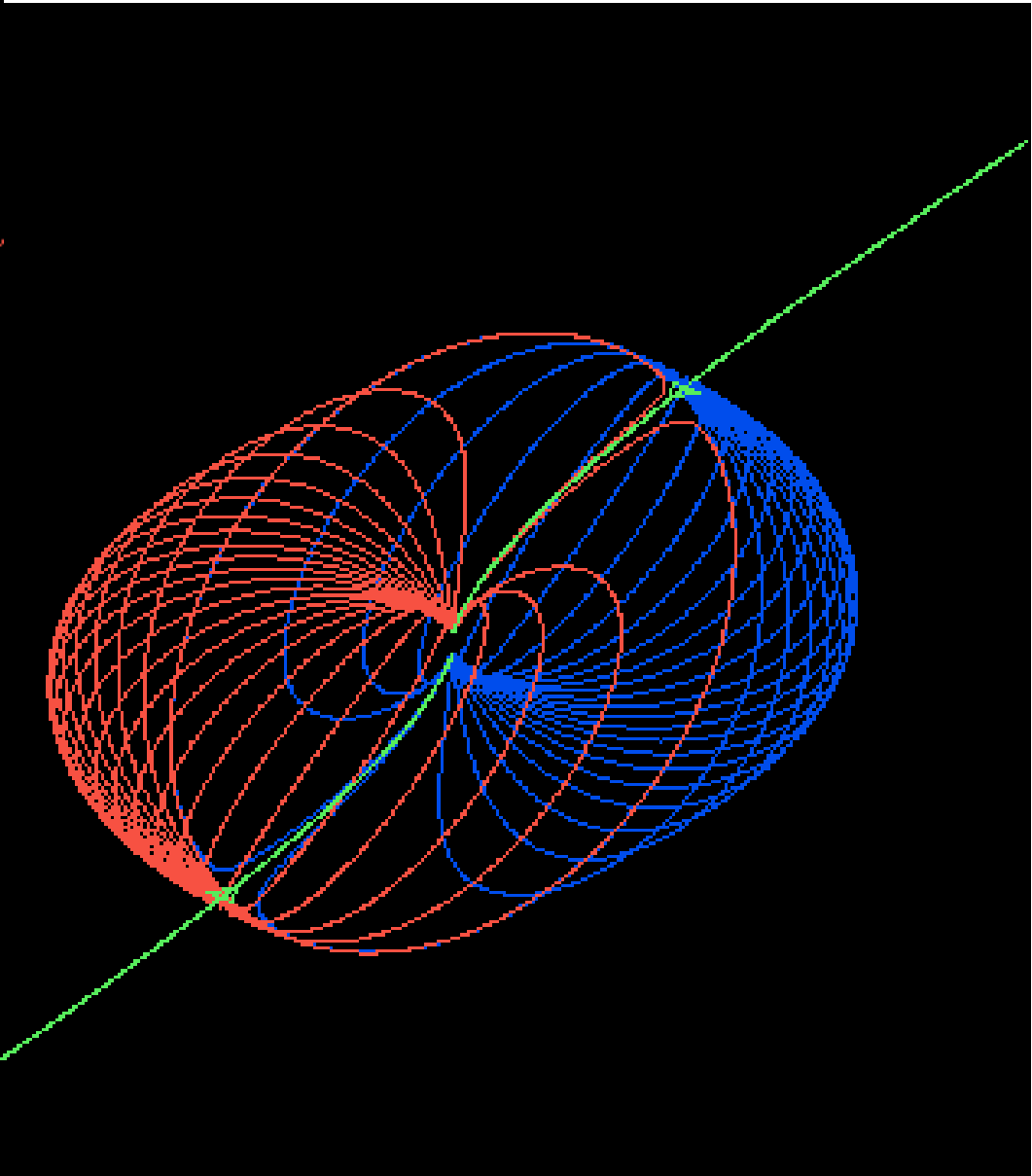
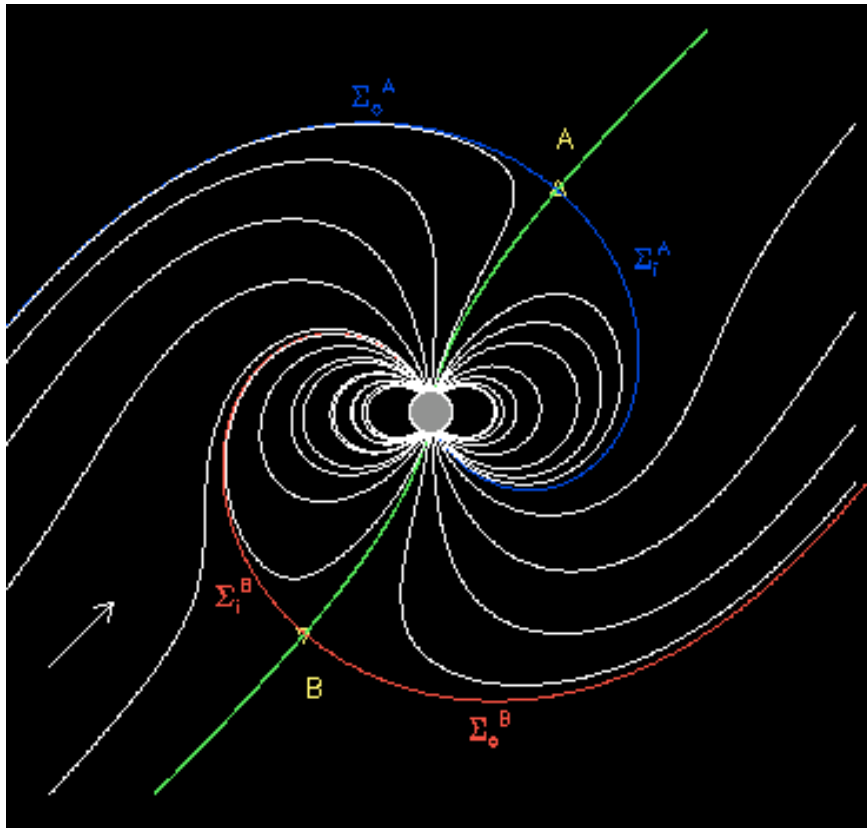
Magnetic Topology

Dana Longcope
Montana State University

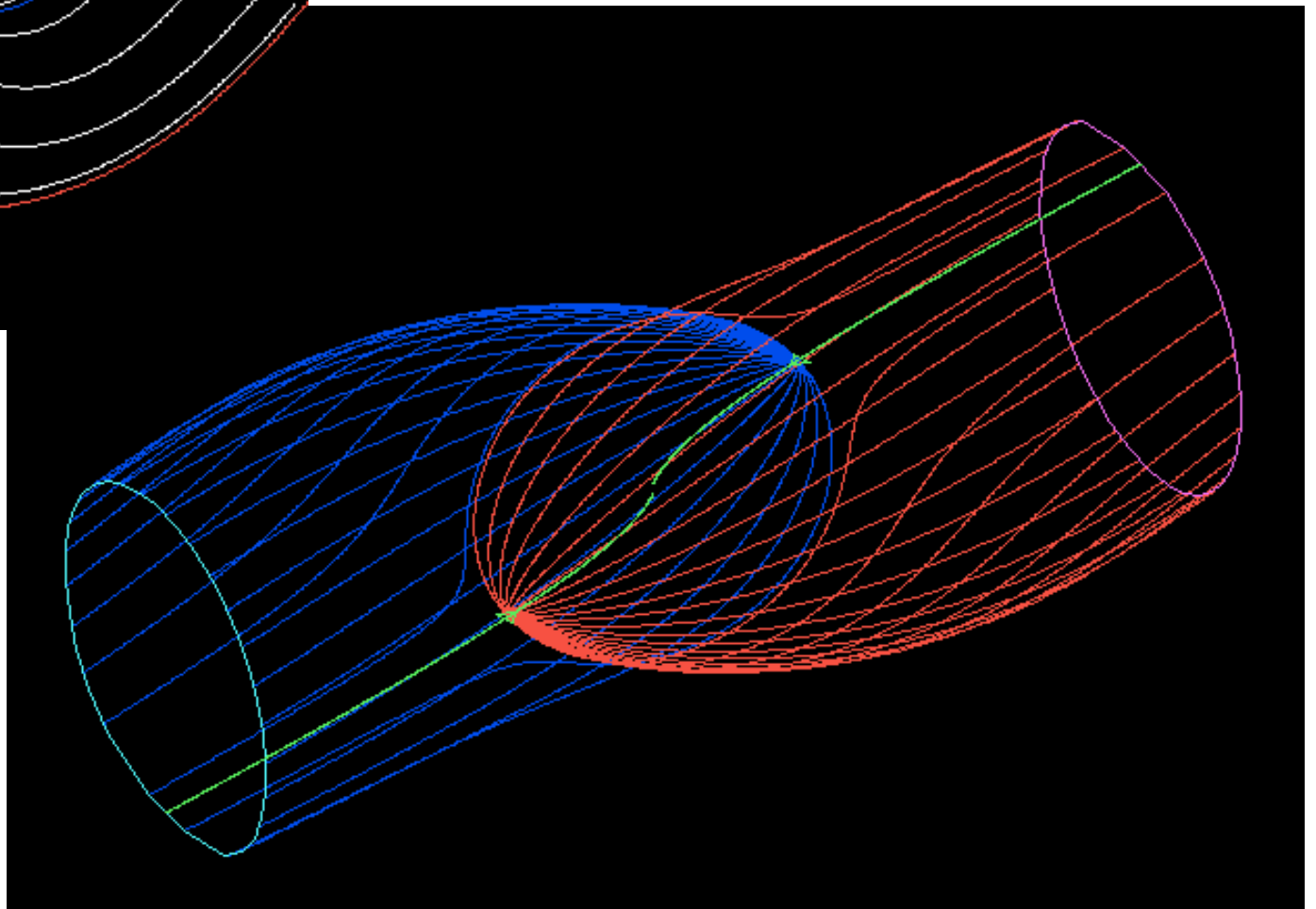
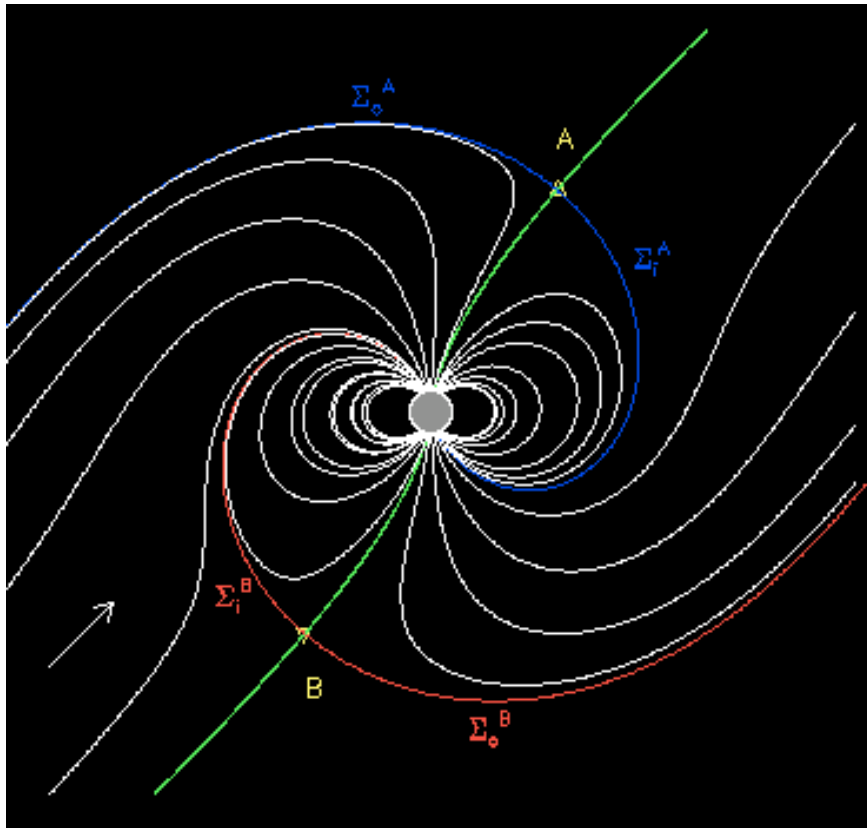
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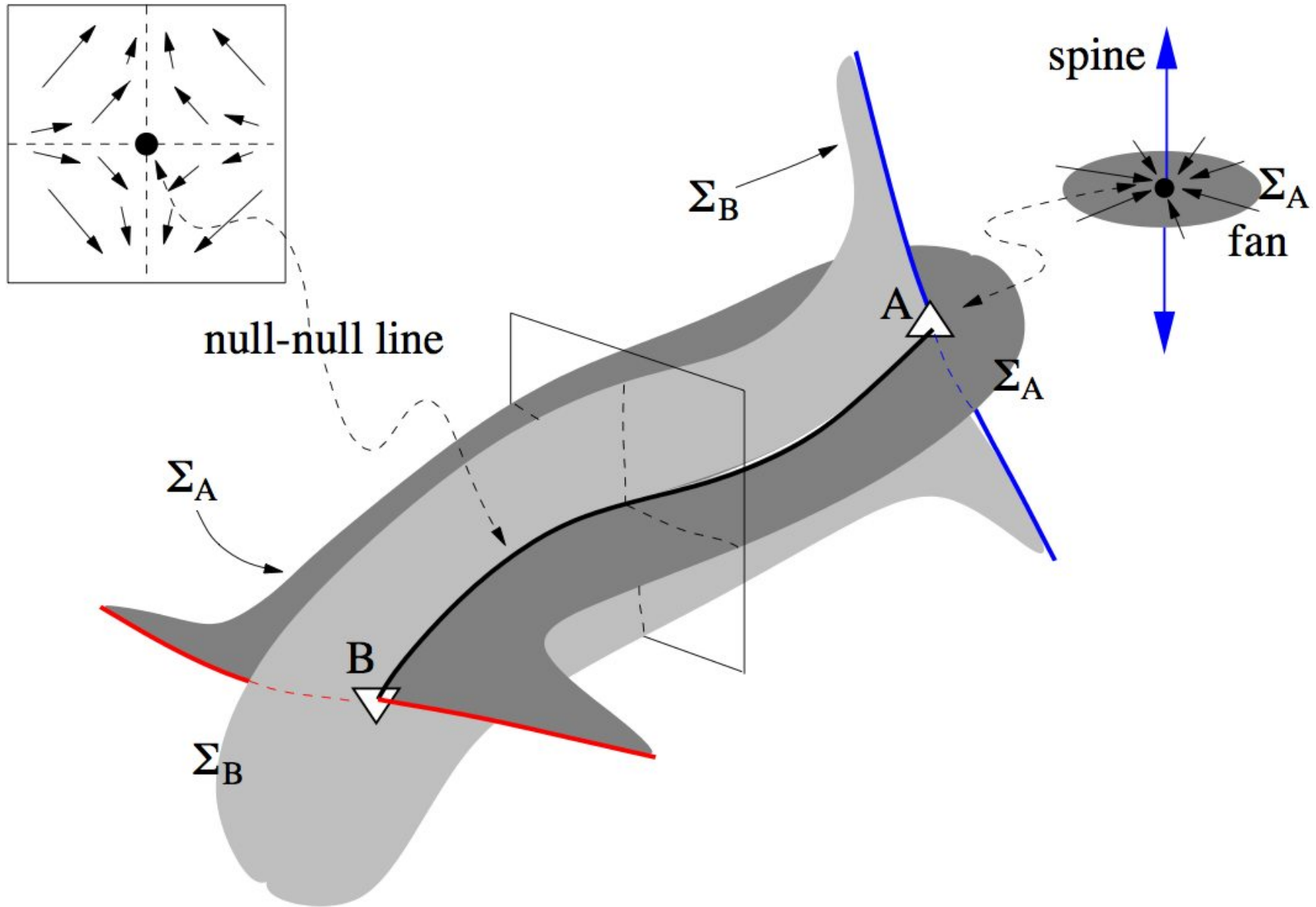


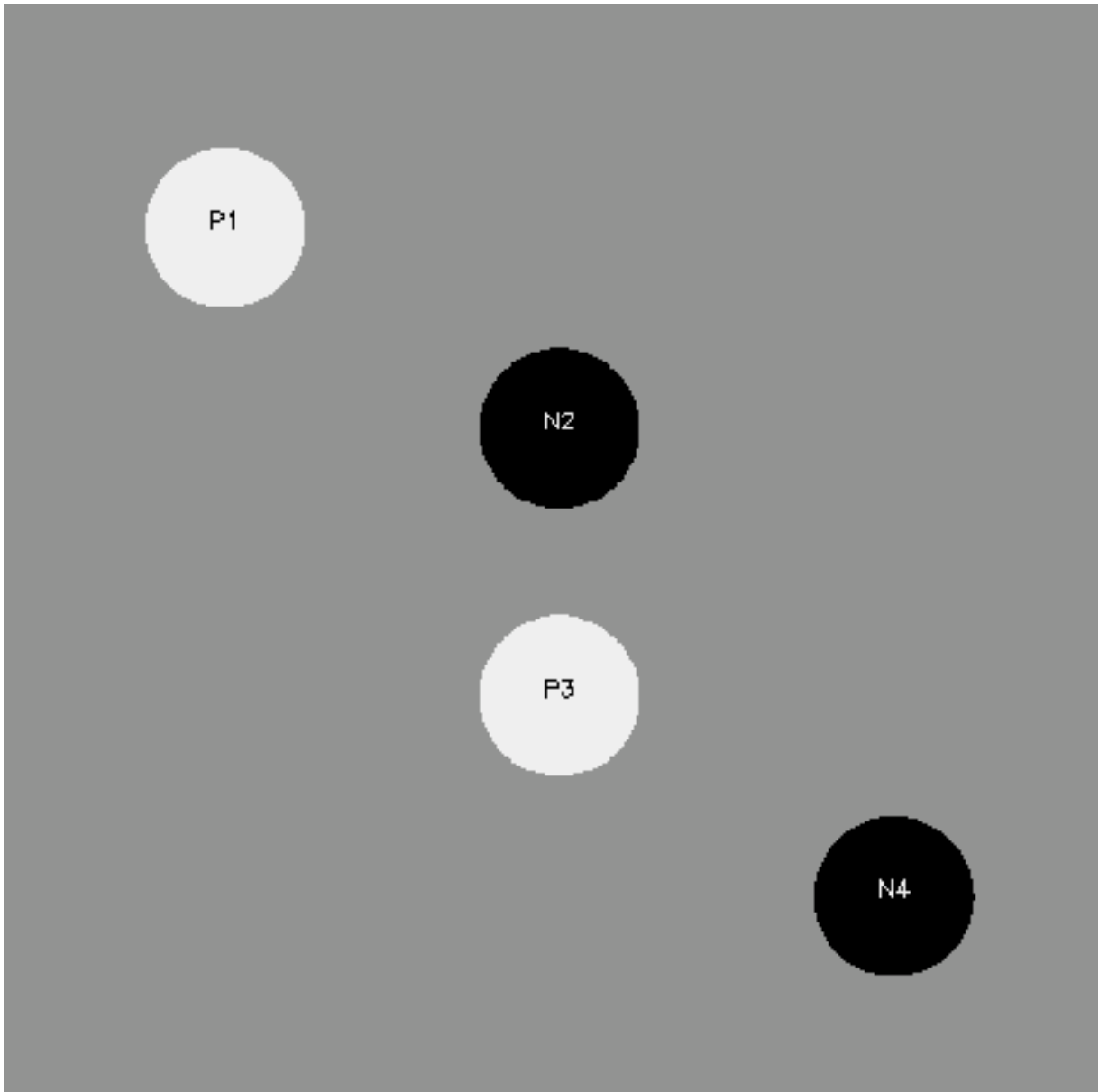
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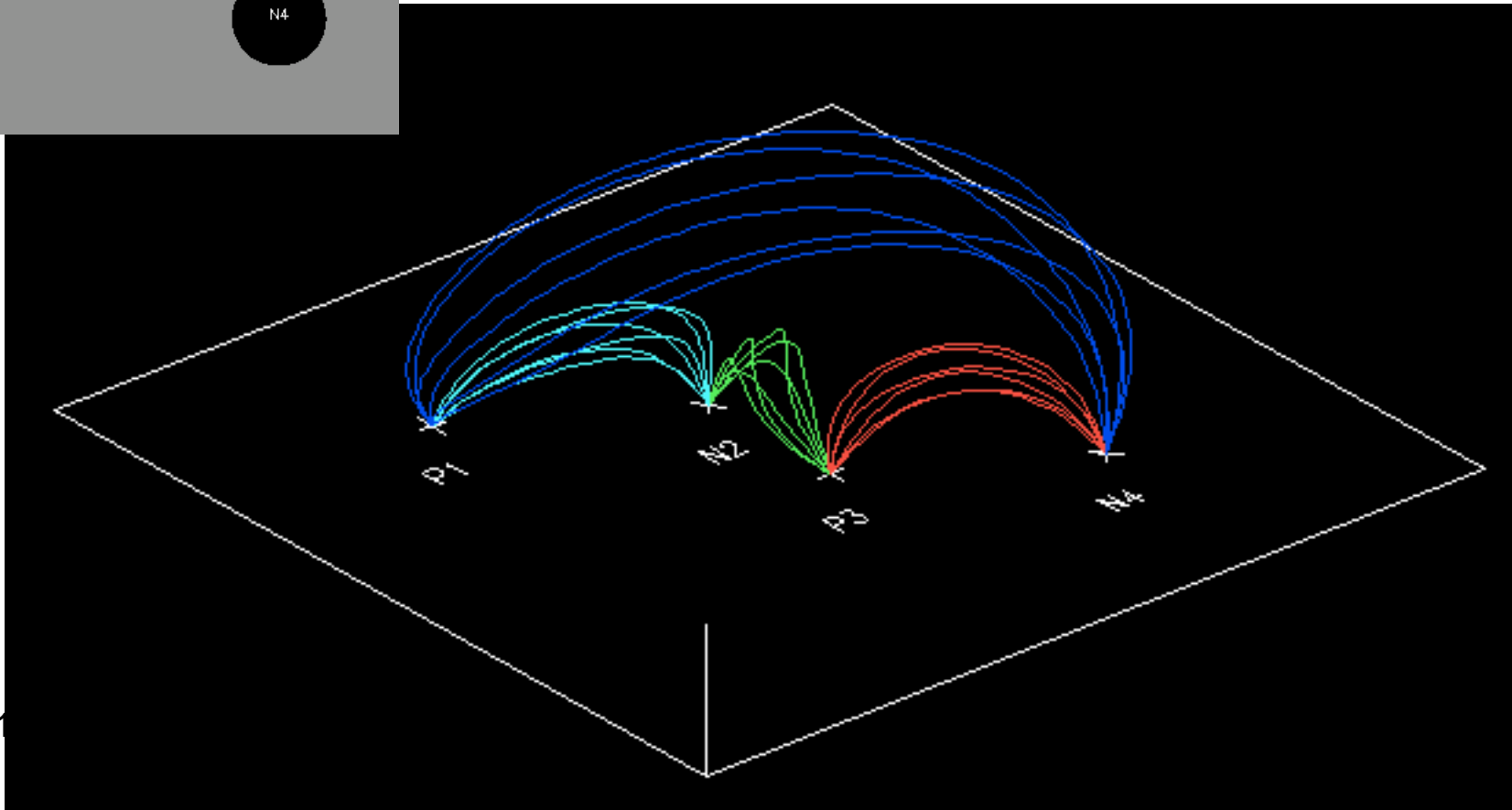
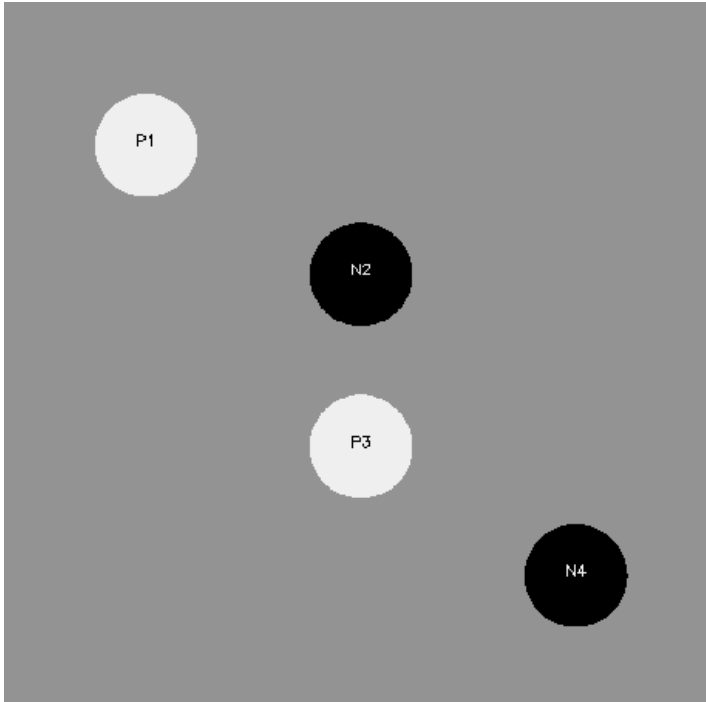
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Fans & Null-Null Lines

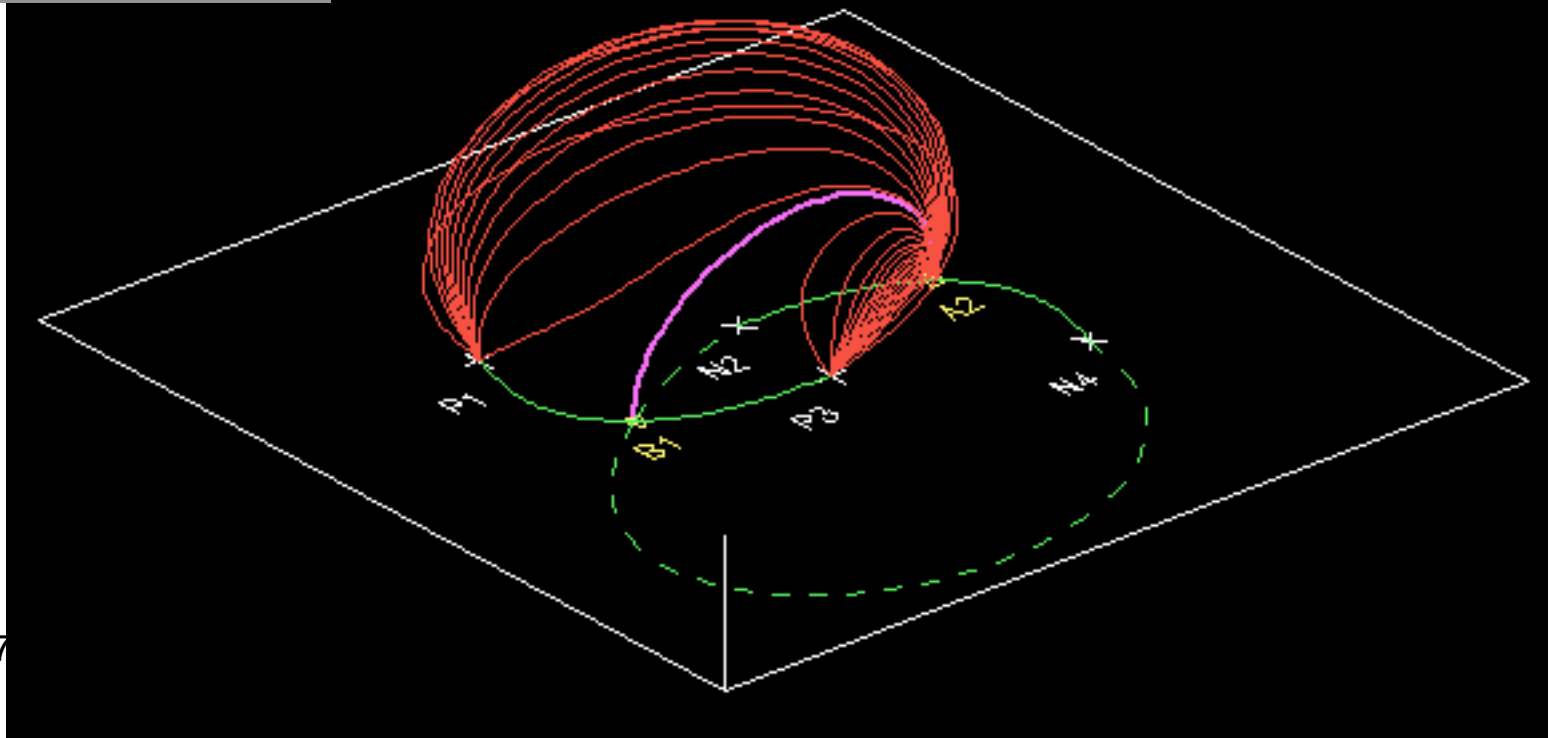
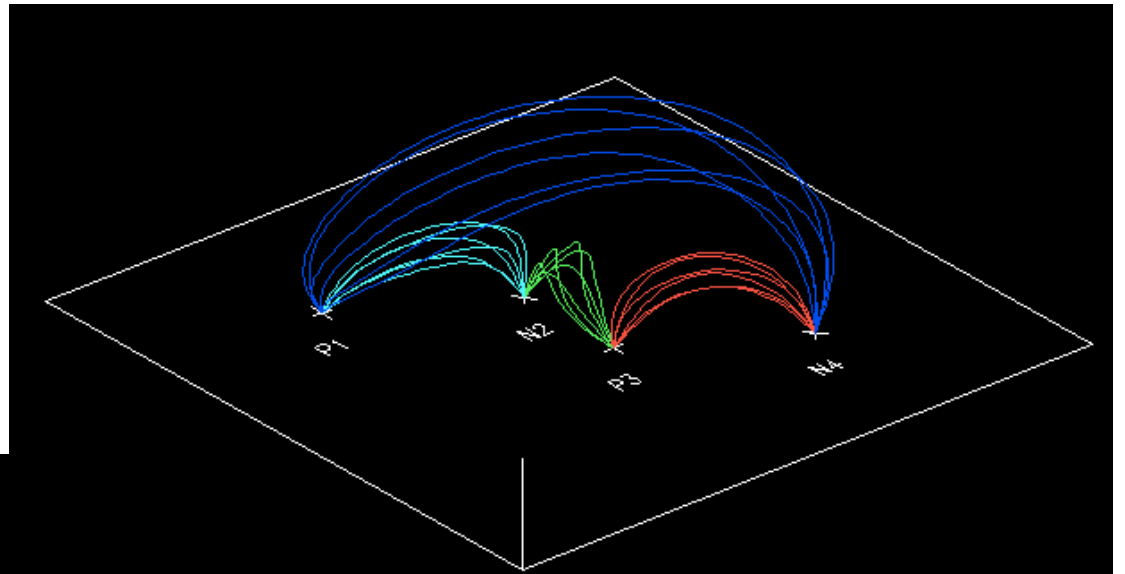
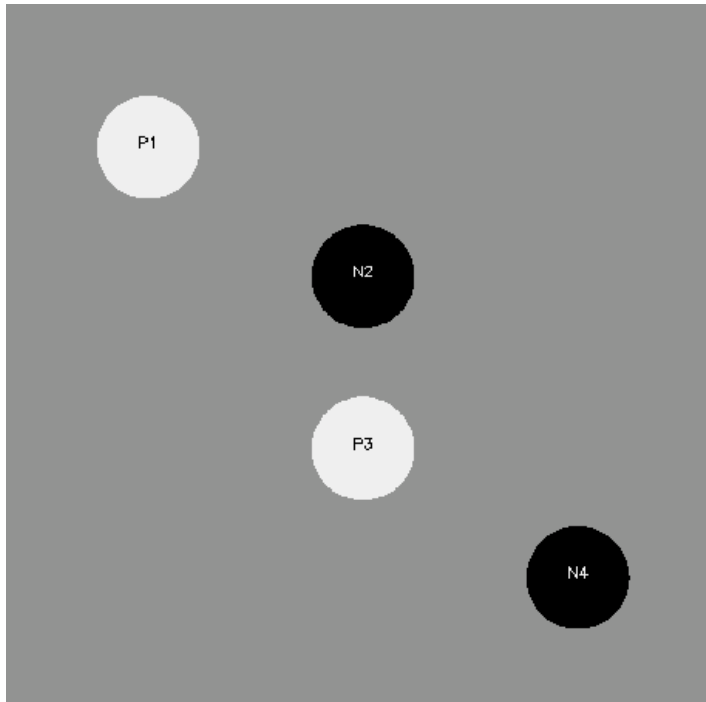




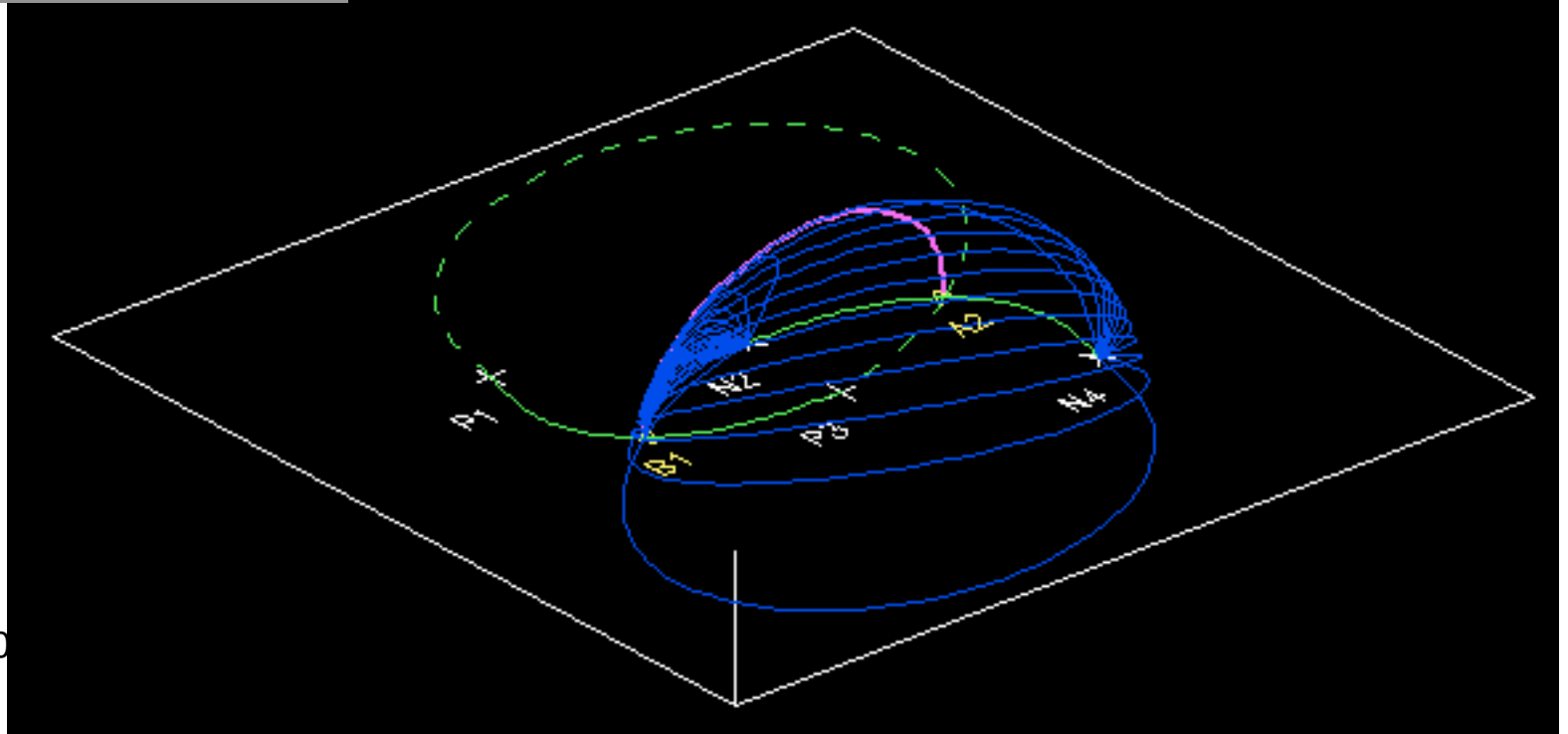
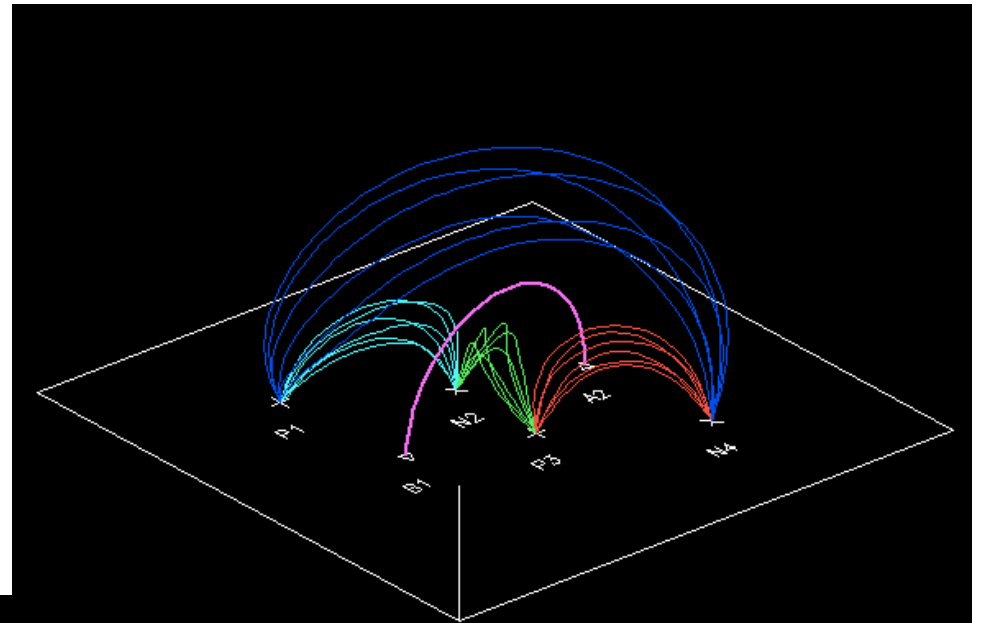
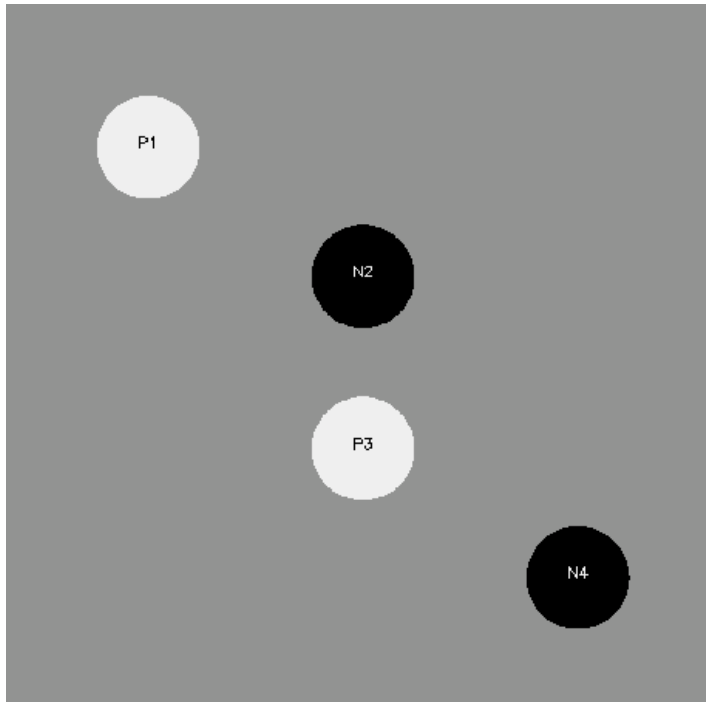
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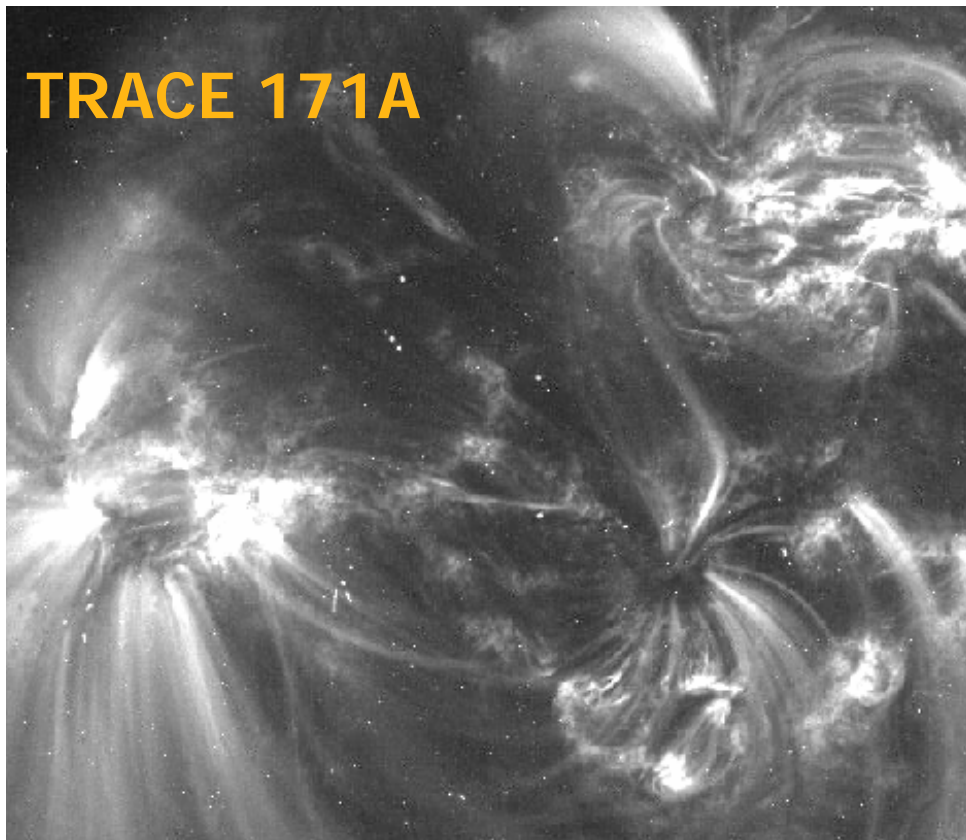


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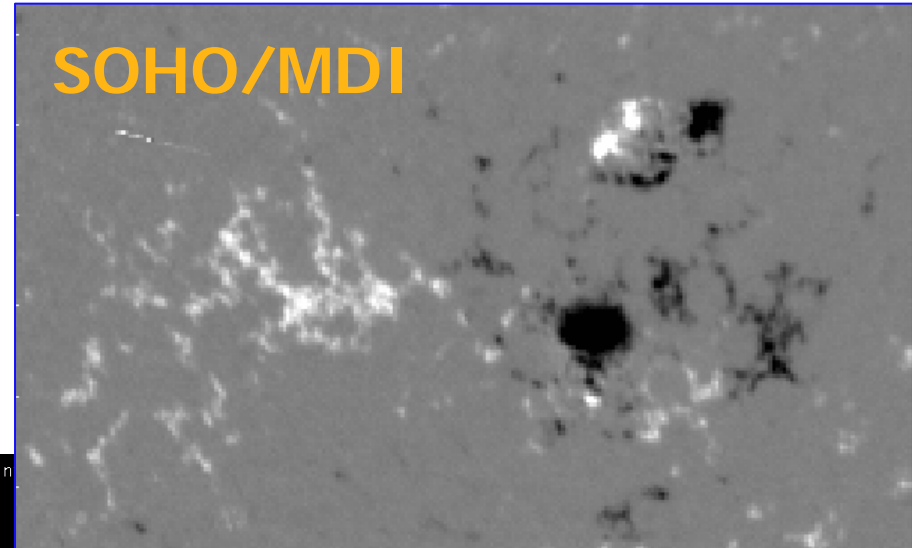
A Real Example

movie

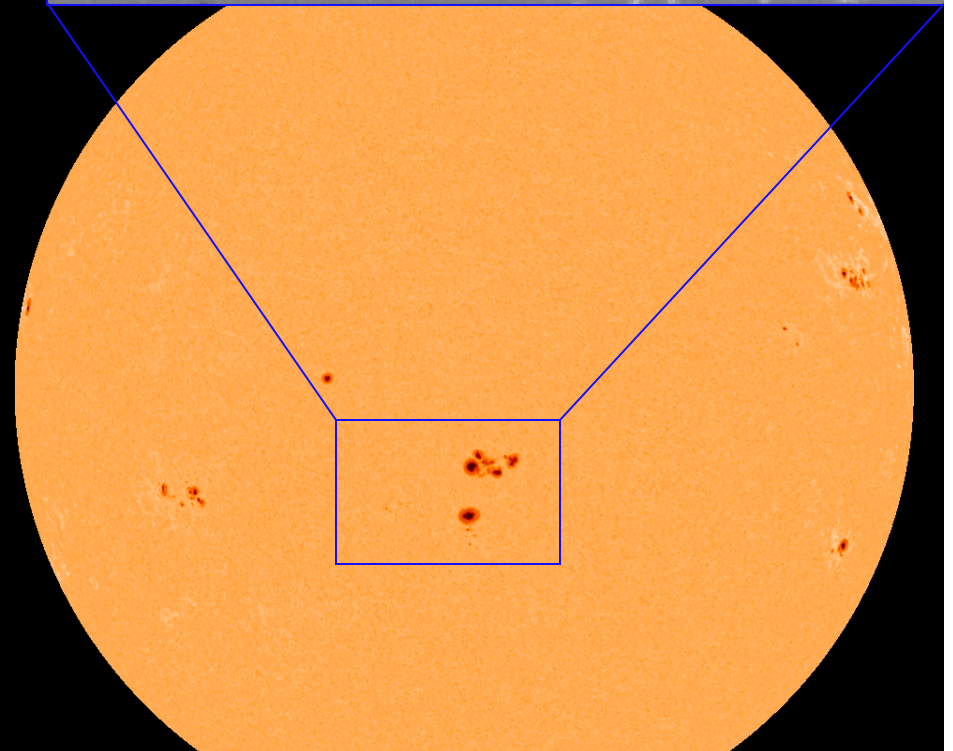
CORONA

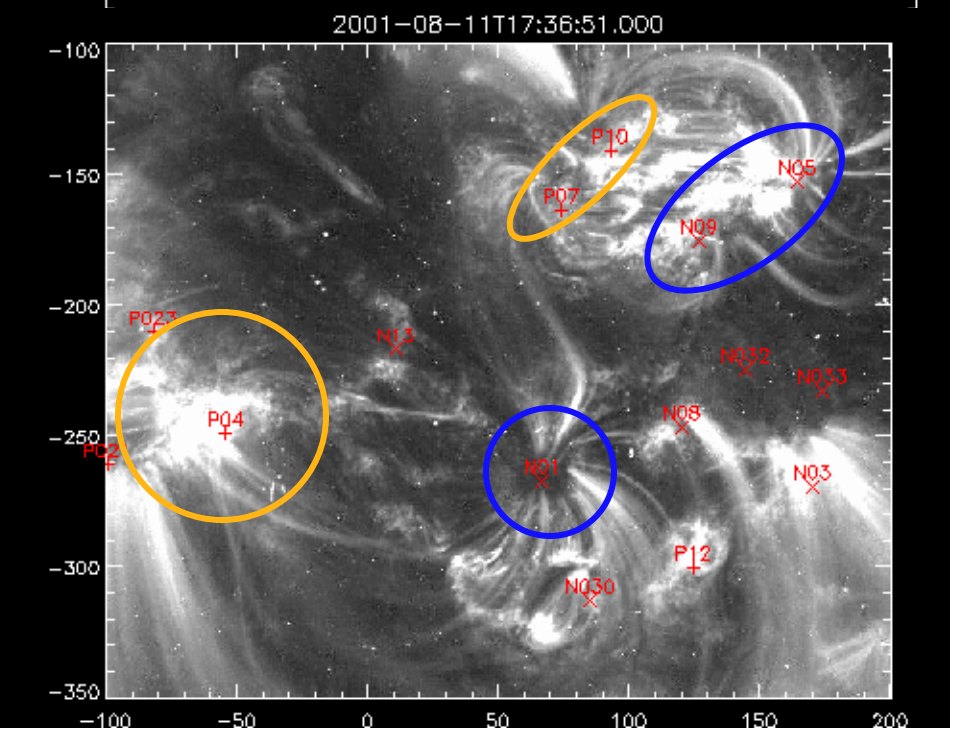
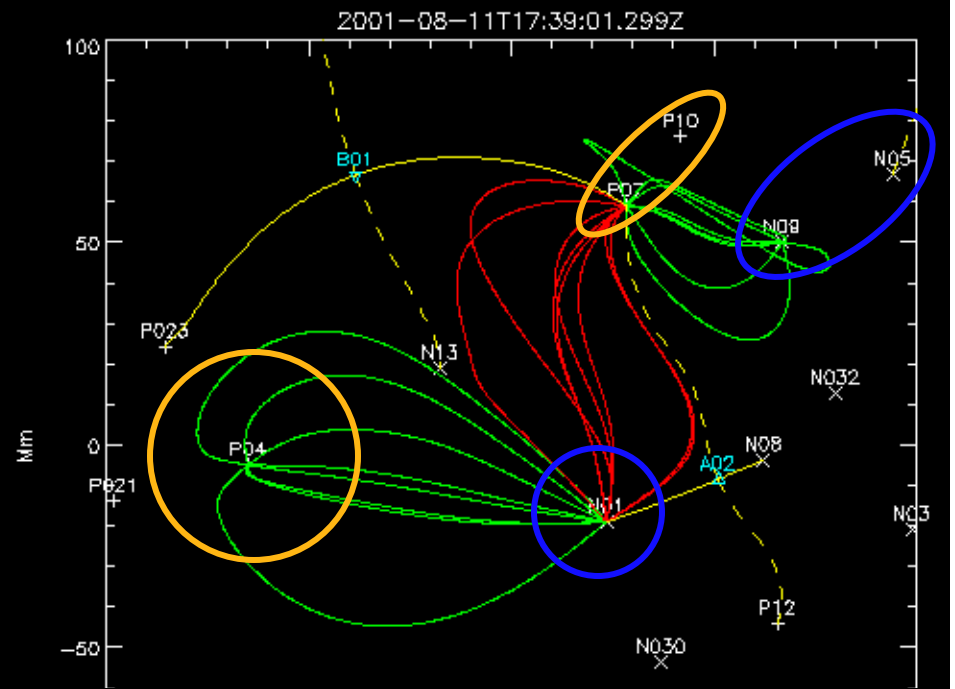
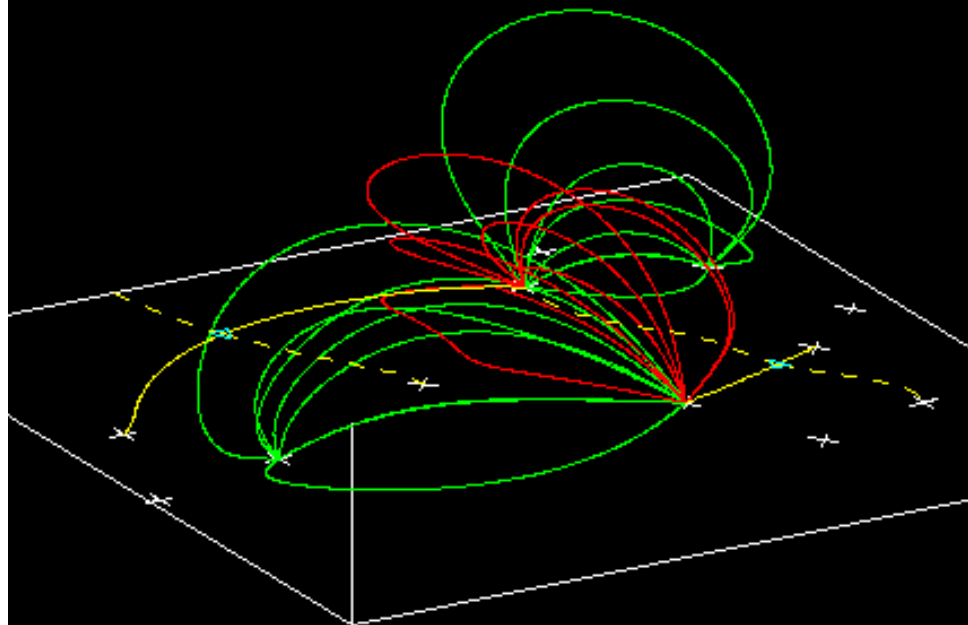
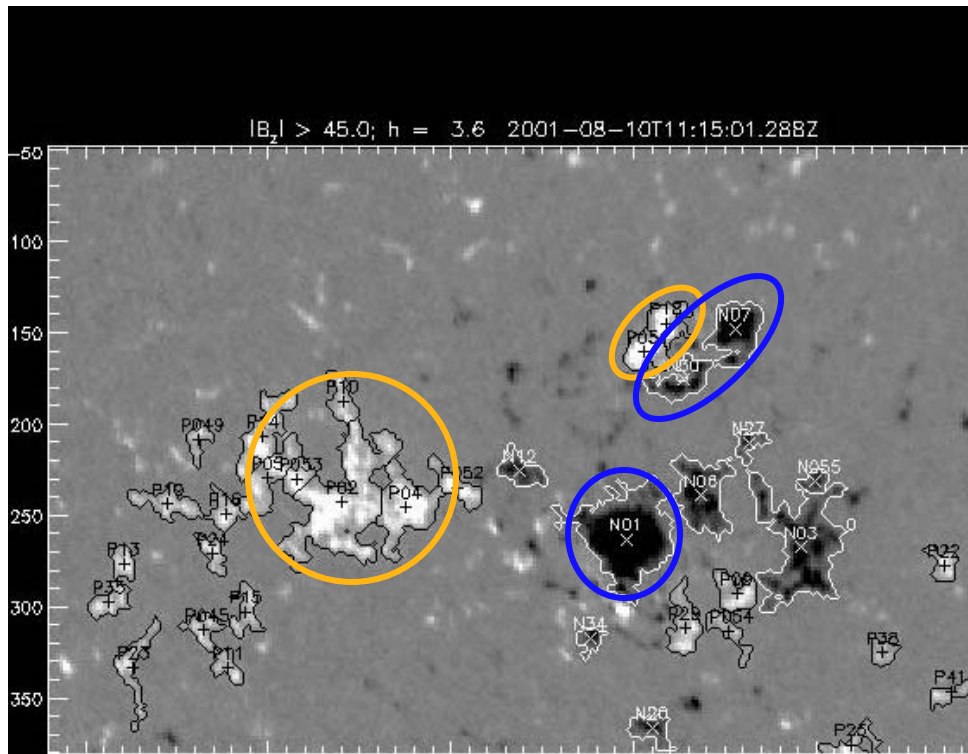


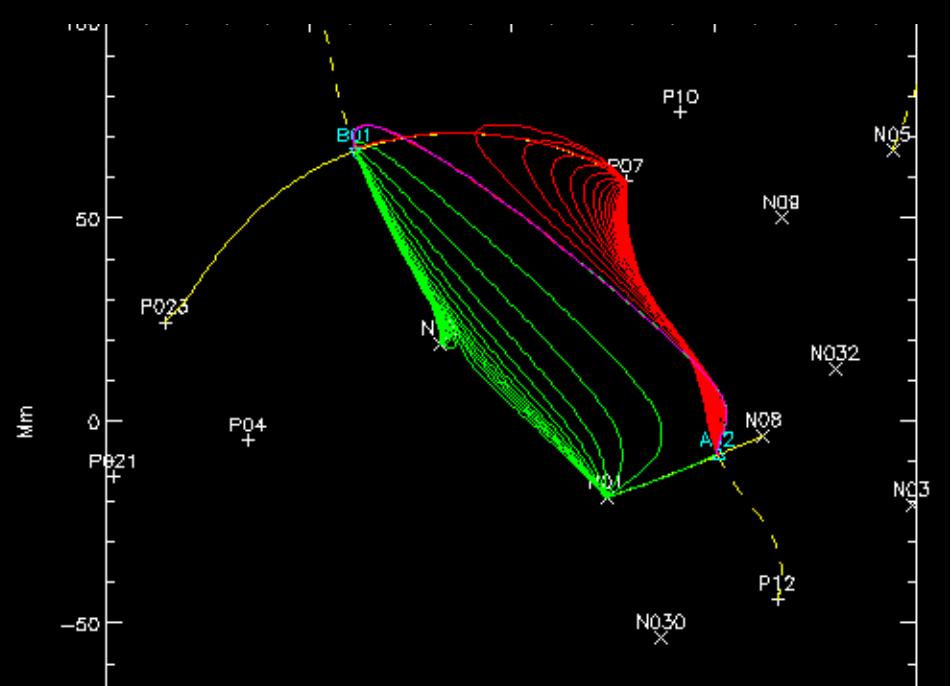
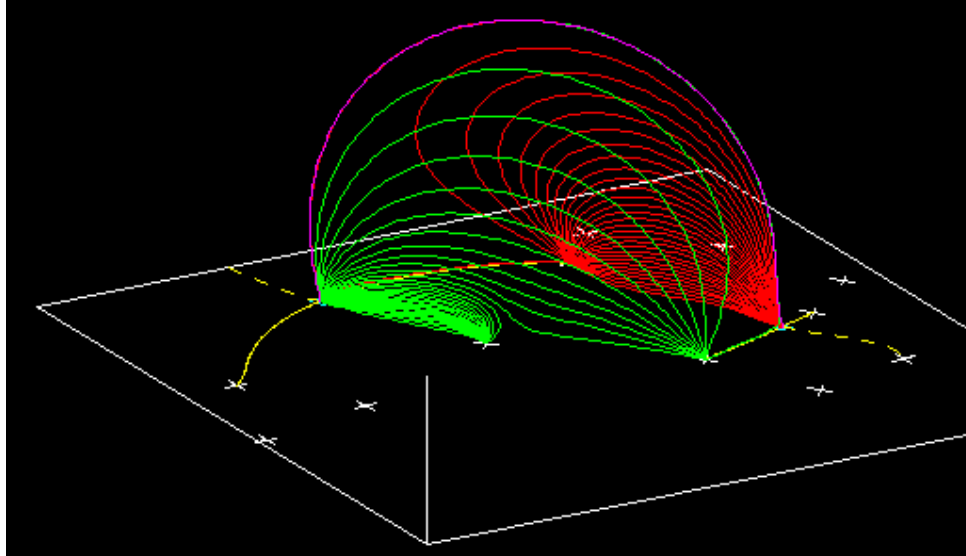
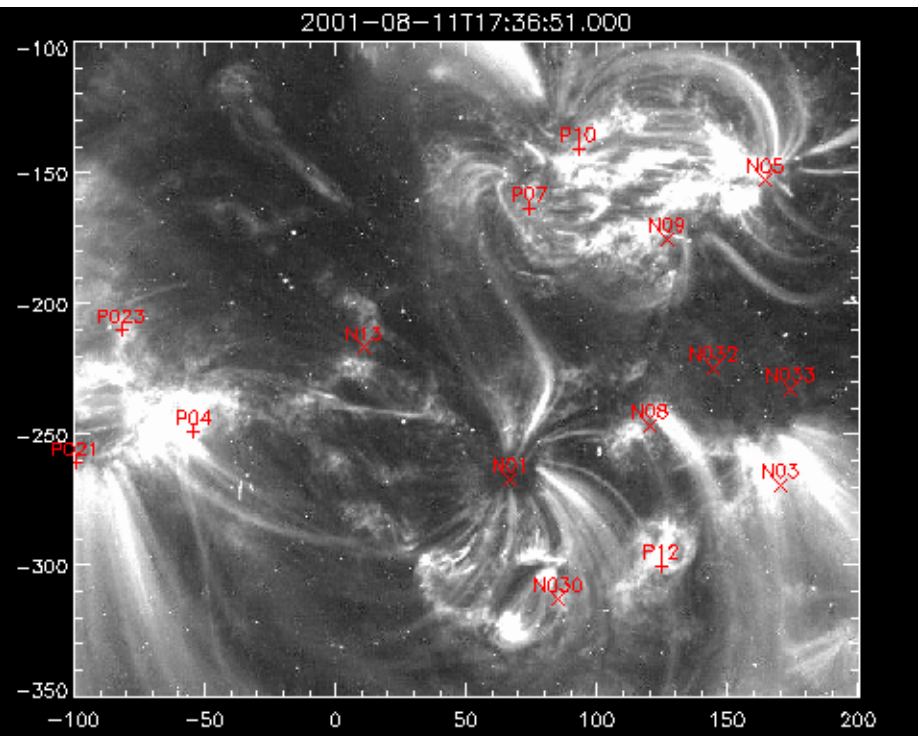
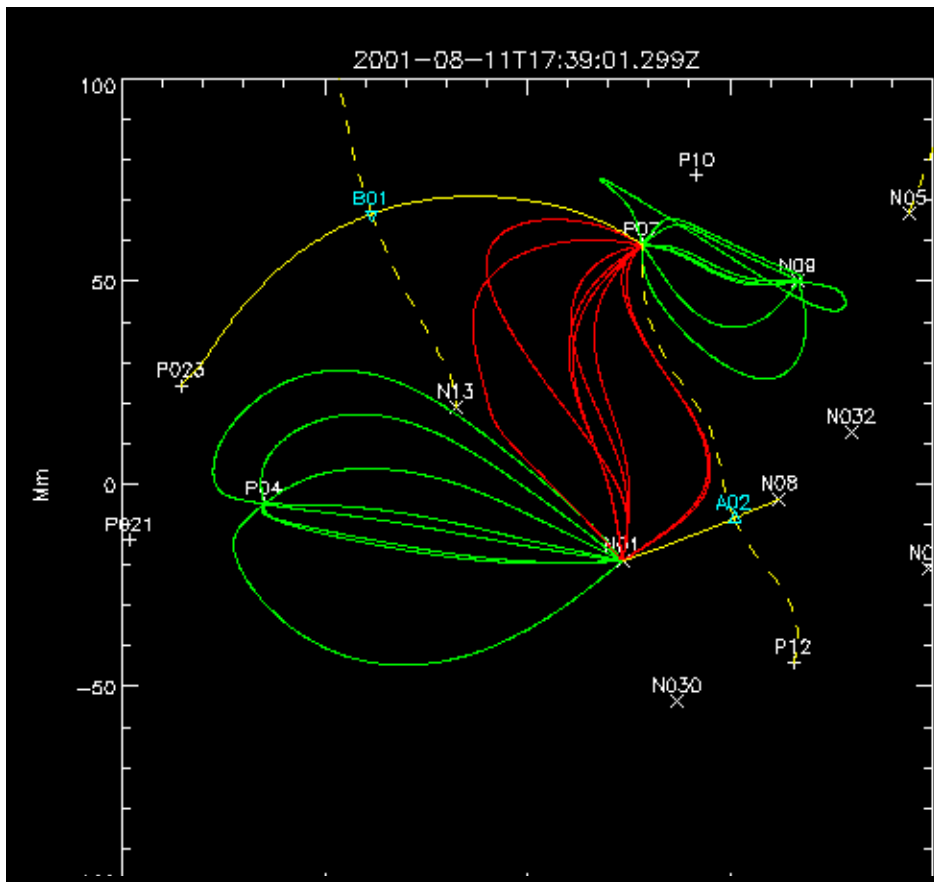
PHOTOSPHERE



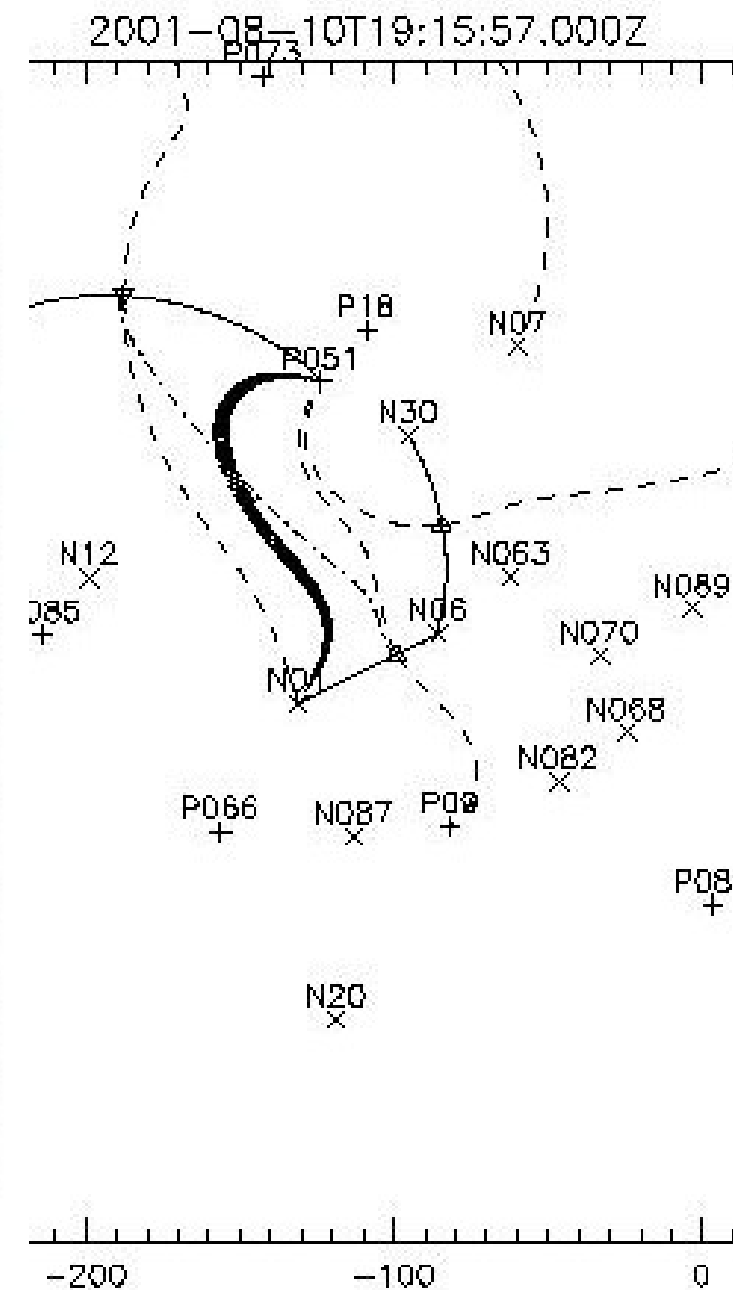
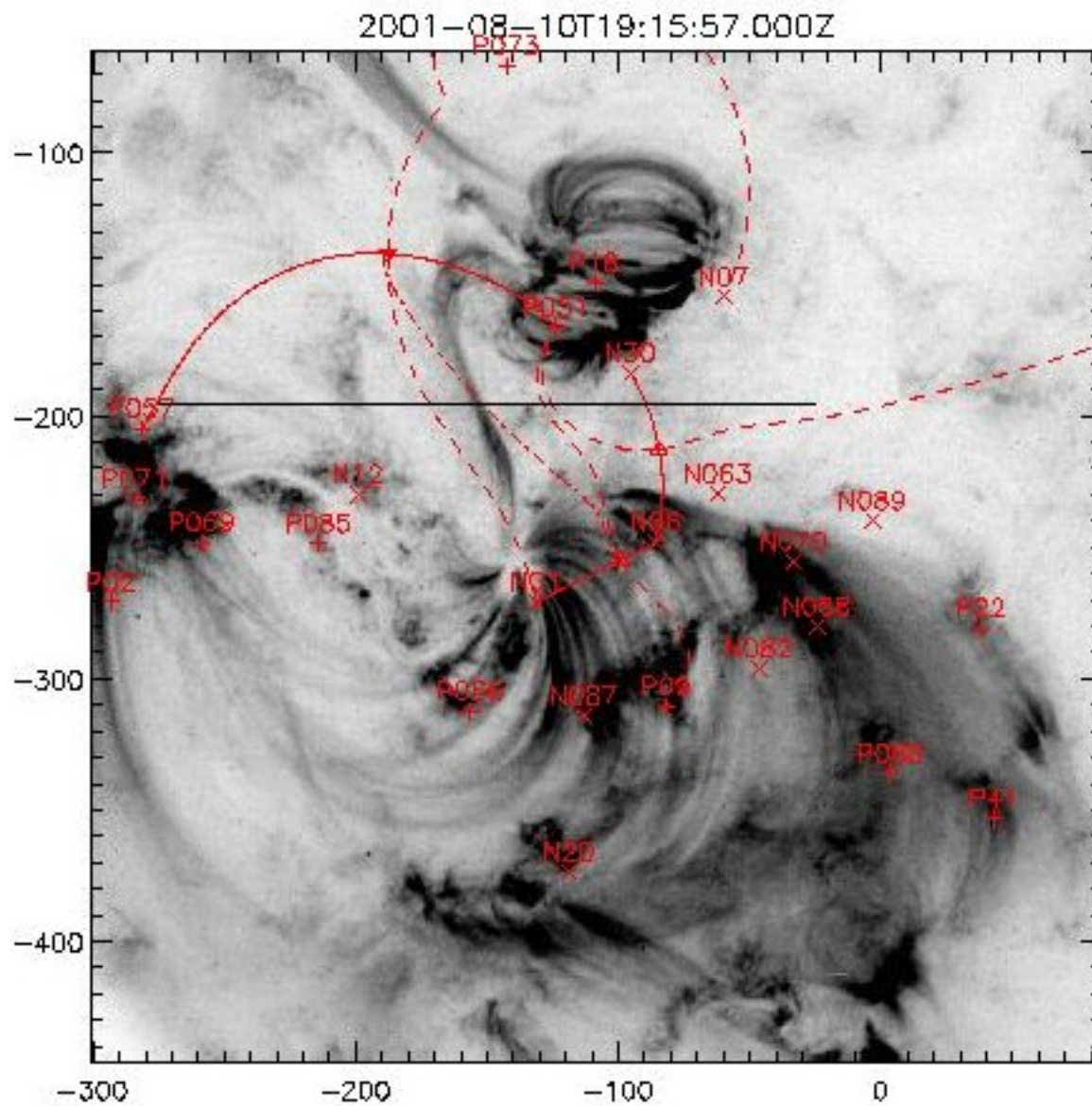
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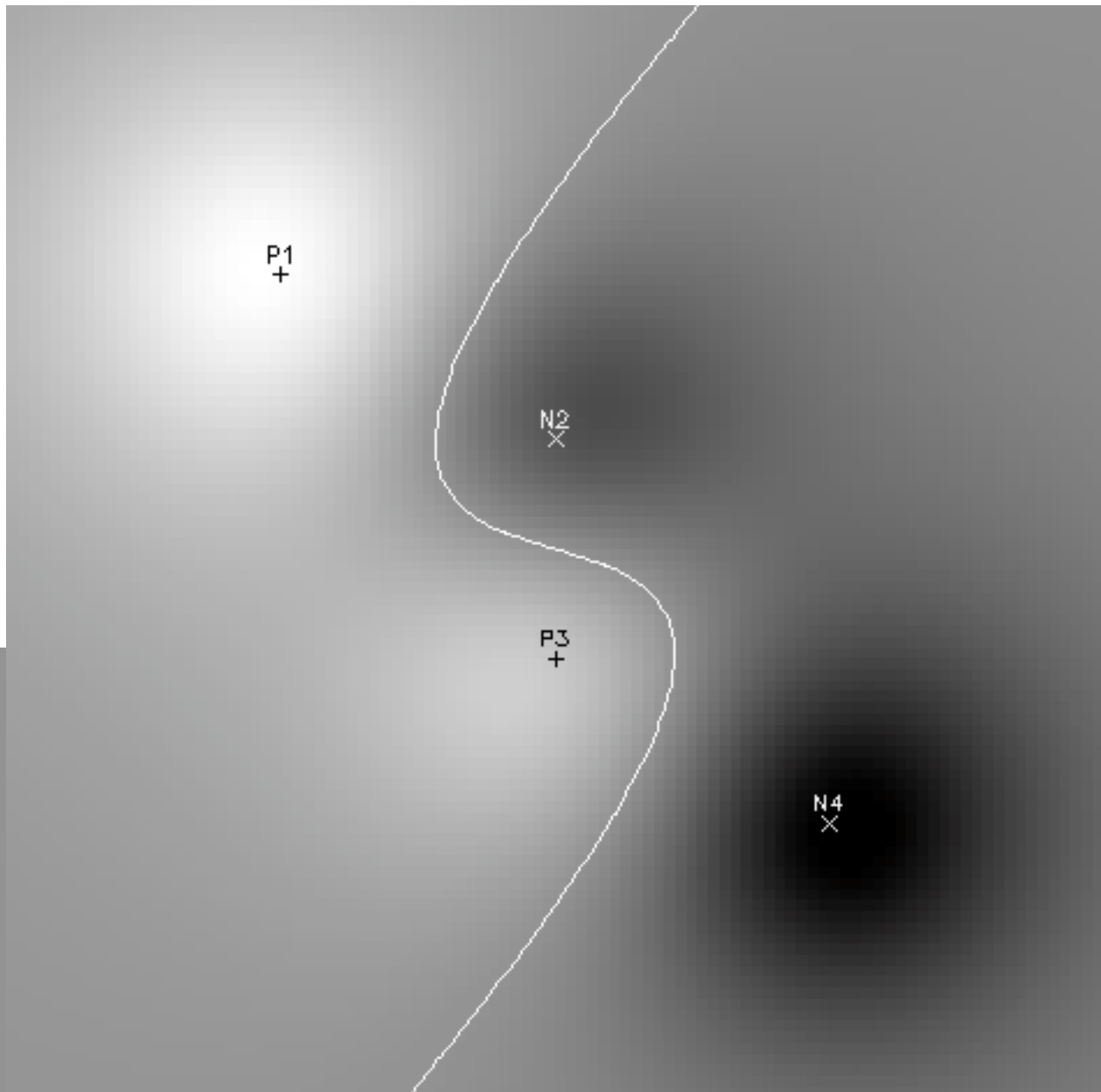
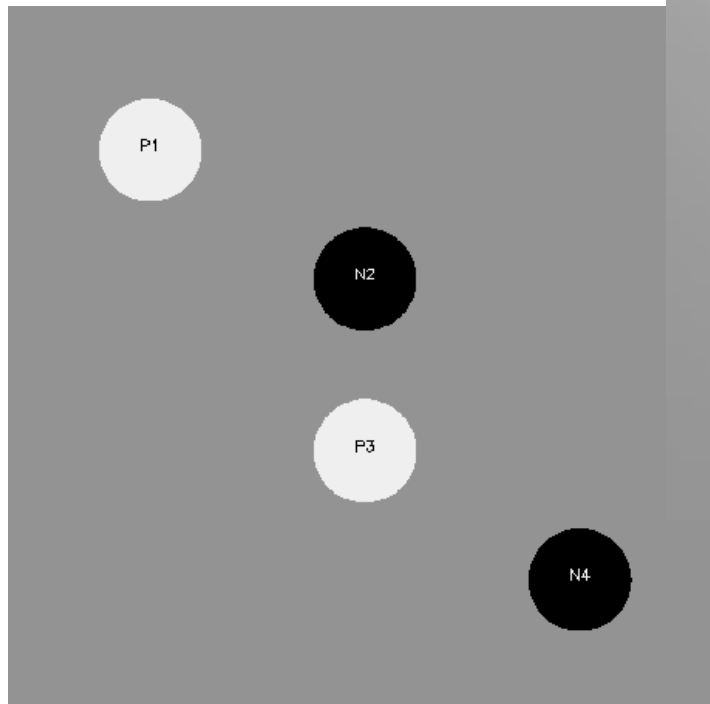






The separator





A crossing number puzzle

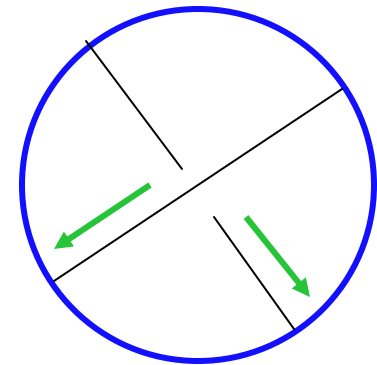
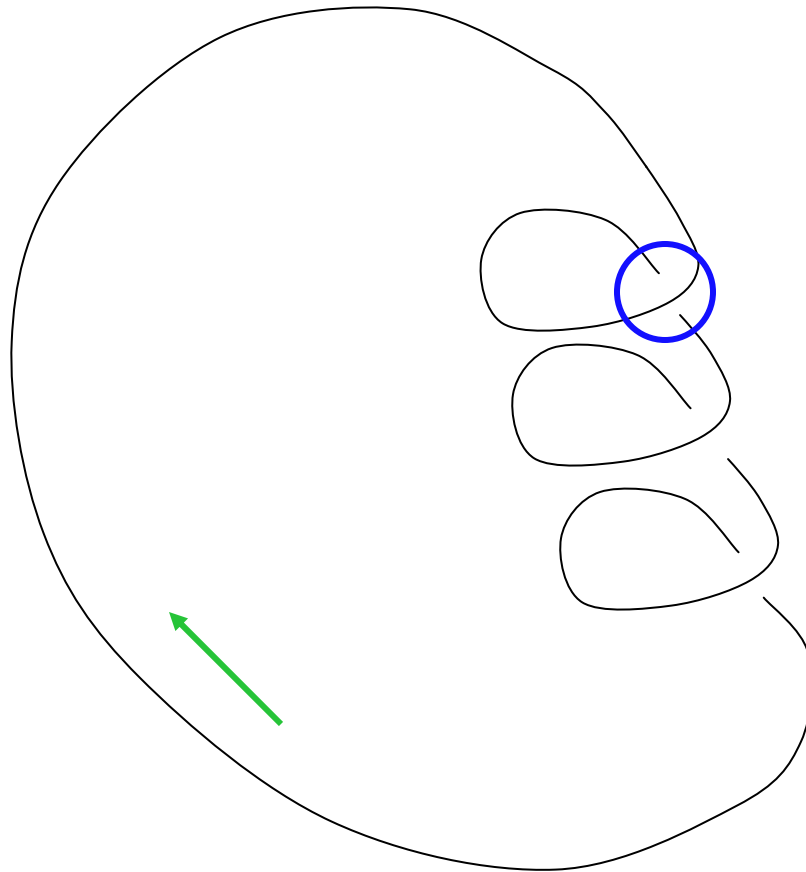
what is the
crossing
number?

A -3

B 0

C +3

D not defined



C = +1

A crossing number puzzle

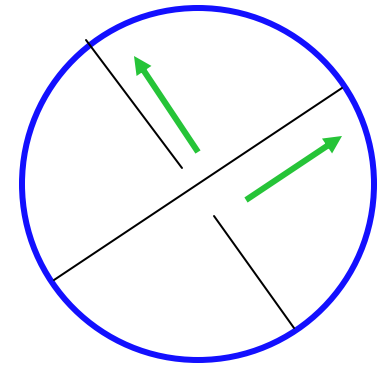
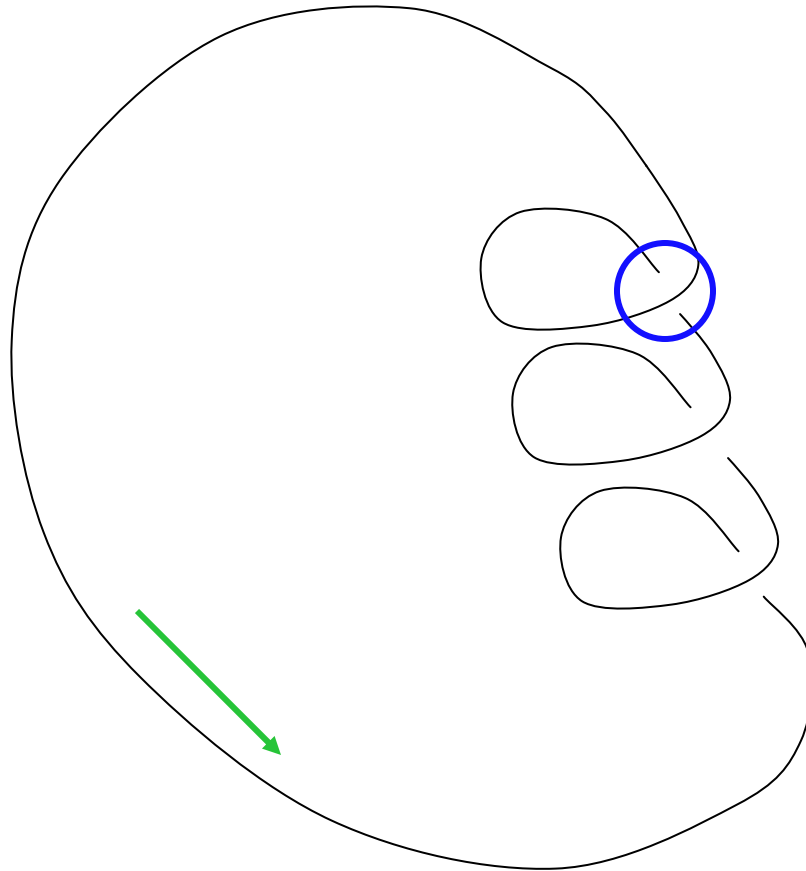
what is the
crossing
number?

A -3

B 0

C +3

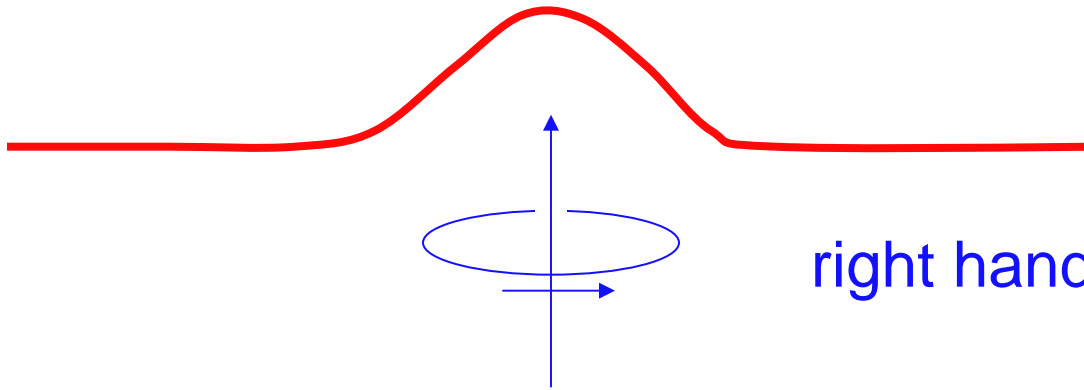
D not defined



C = +1

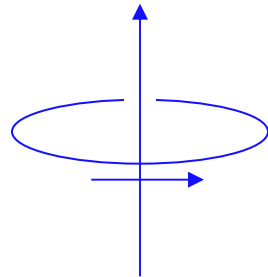
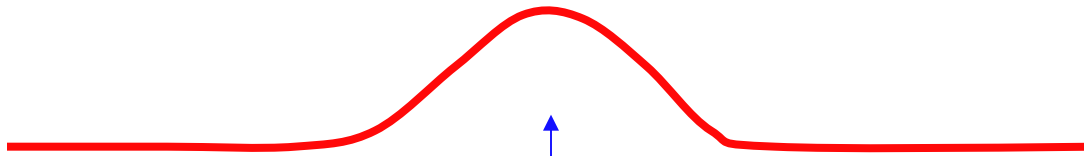
right-handed
helix

A Familiar Picture



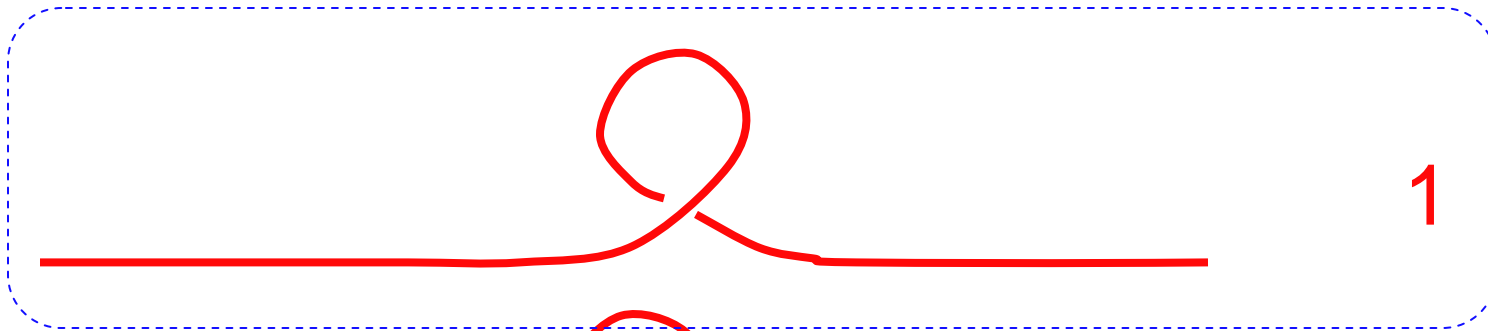
right handed vortex

A Familiar Picture

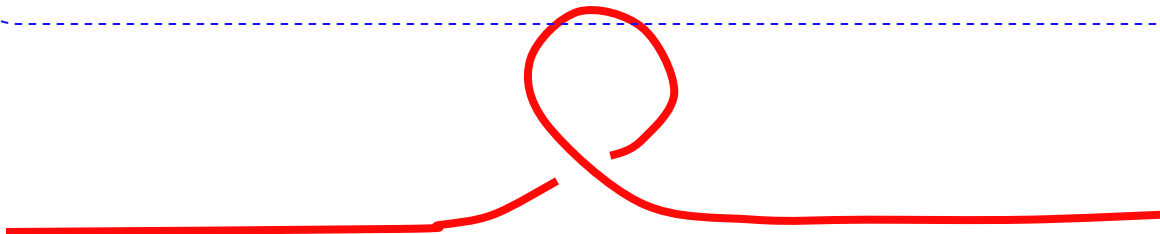


right handed vortex

what comes next?

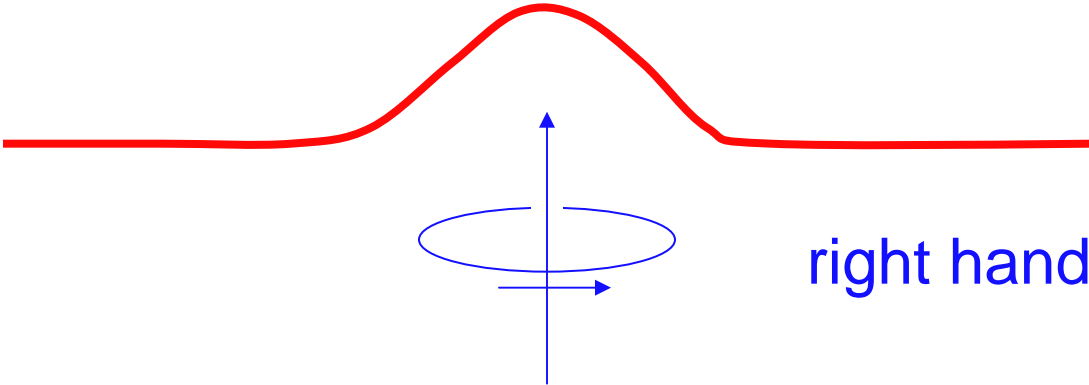


1



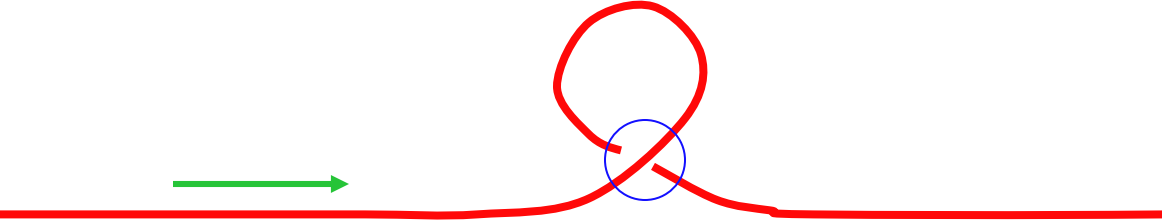
2

A Familiar Picture

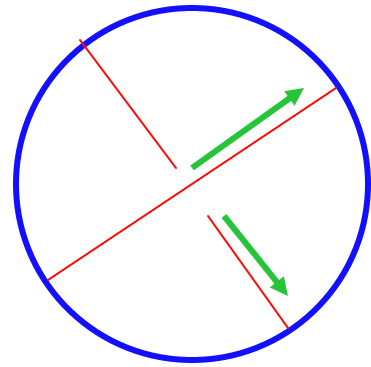


right handed vortex

what comes next?



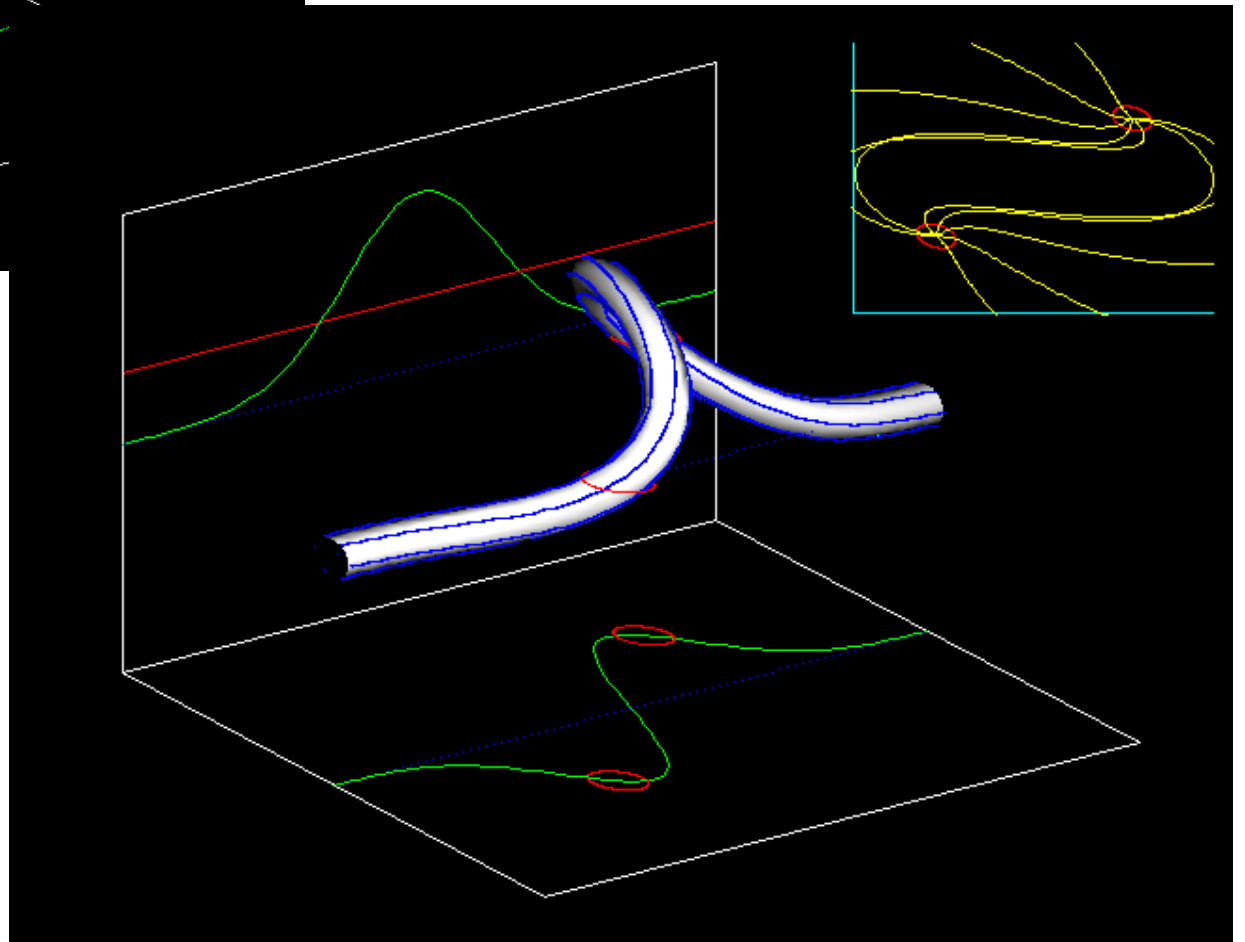
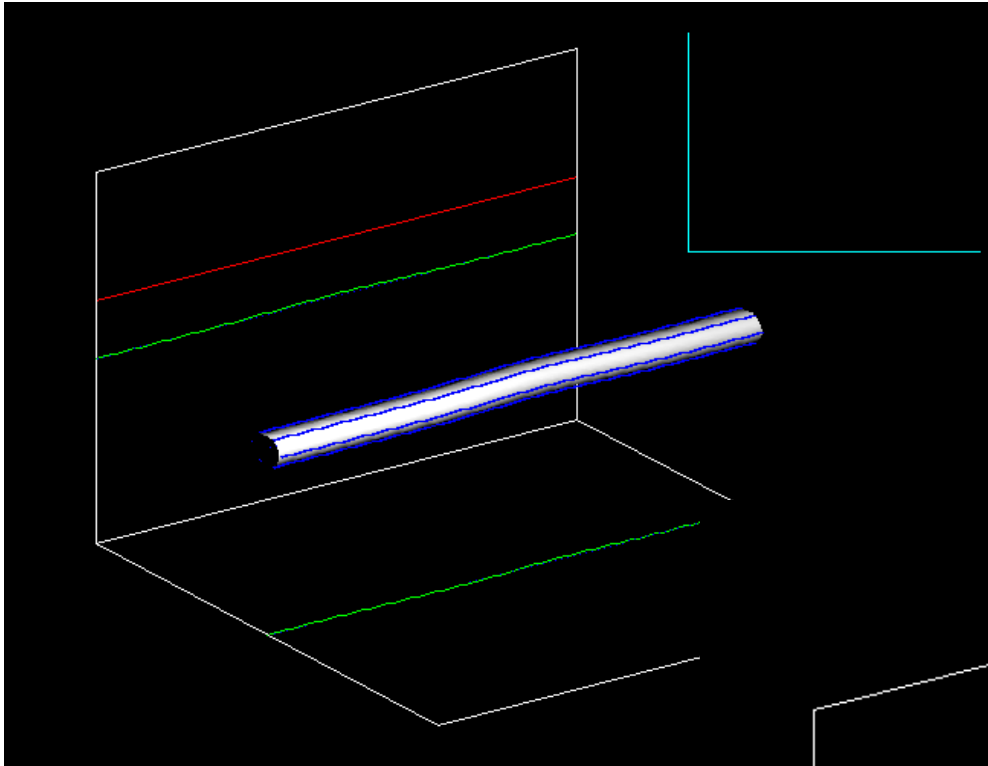
what handedness does this have?



$$C = -1$$

- 1. RH
- 2. LH

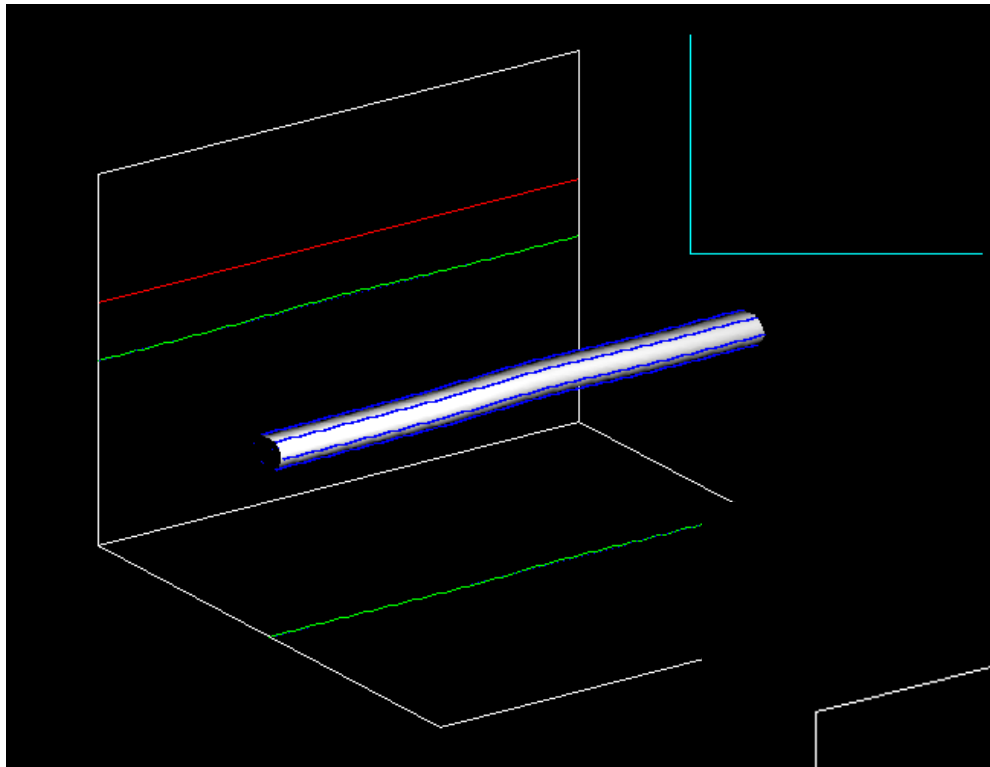
what is the handedness of the axis?



[movie](#)

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what is the handedness of the axis?



what is the handedness of the twist?

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