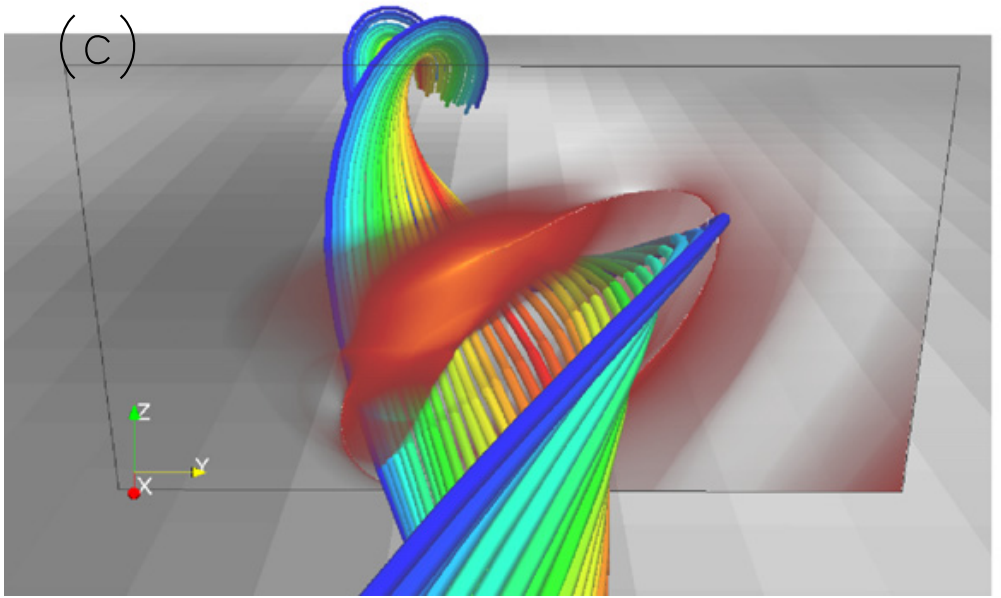
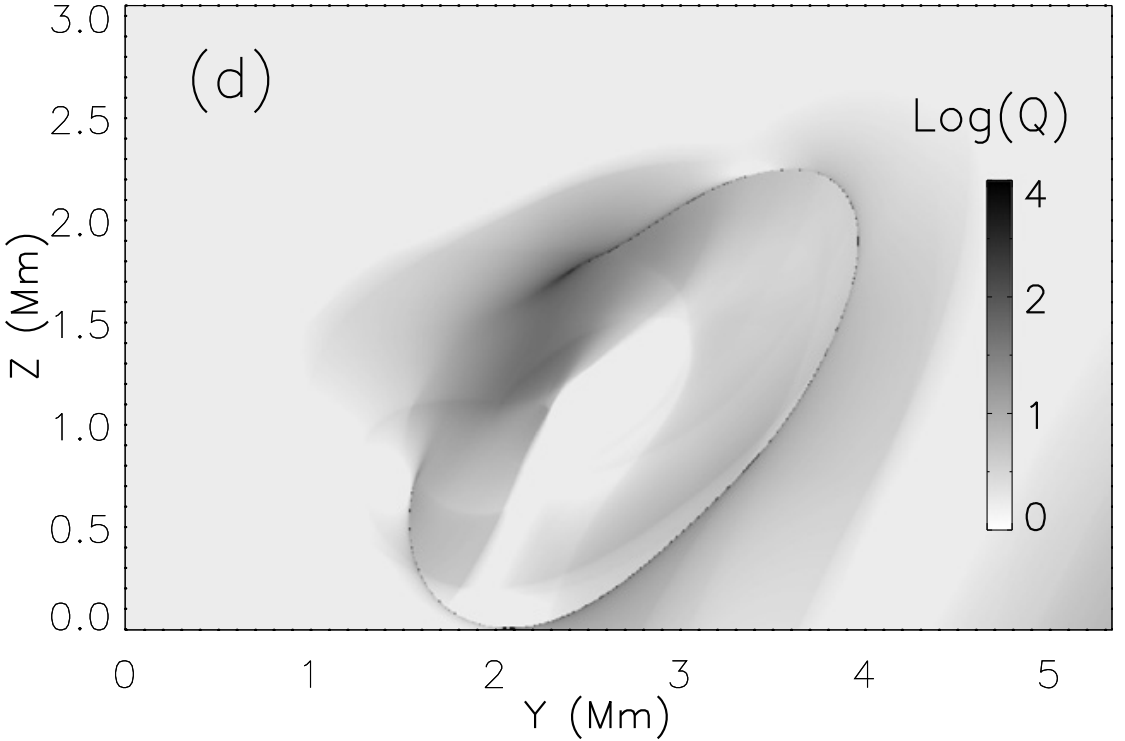
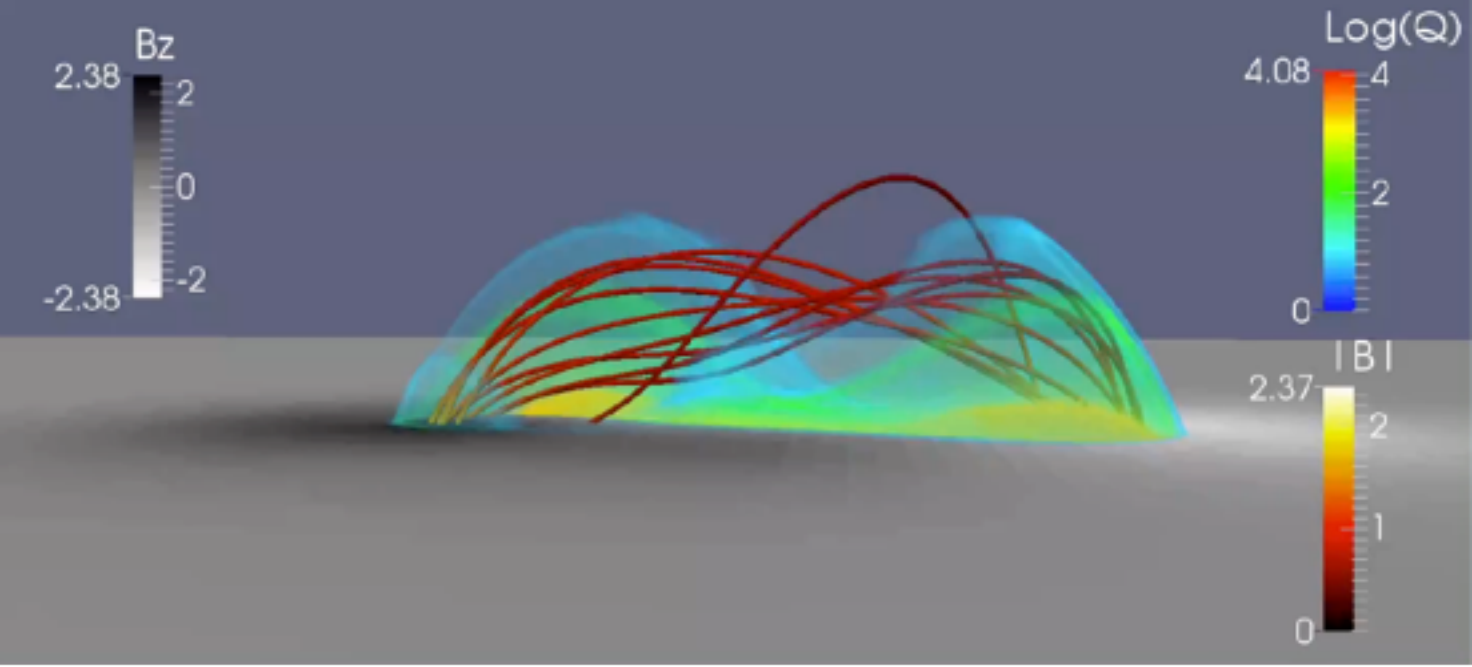
Separatrix of the MFR

The core of the MFR is highly twisted, the ambient field is sheared arched. There should be some separatrix or quasi-separatrix between them.


(c)
Z
Y
X

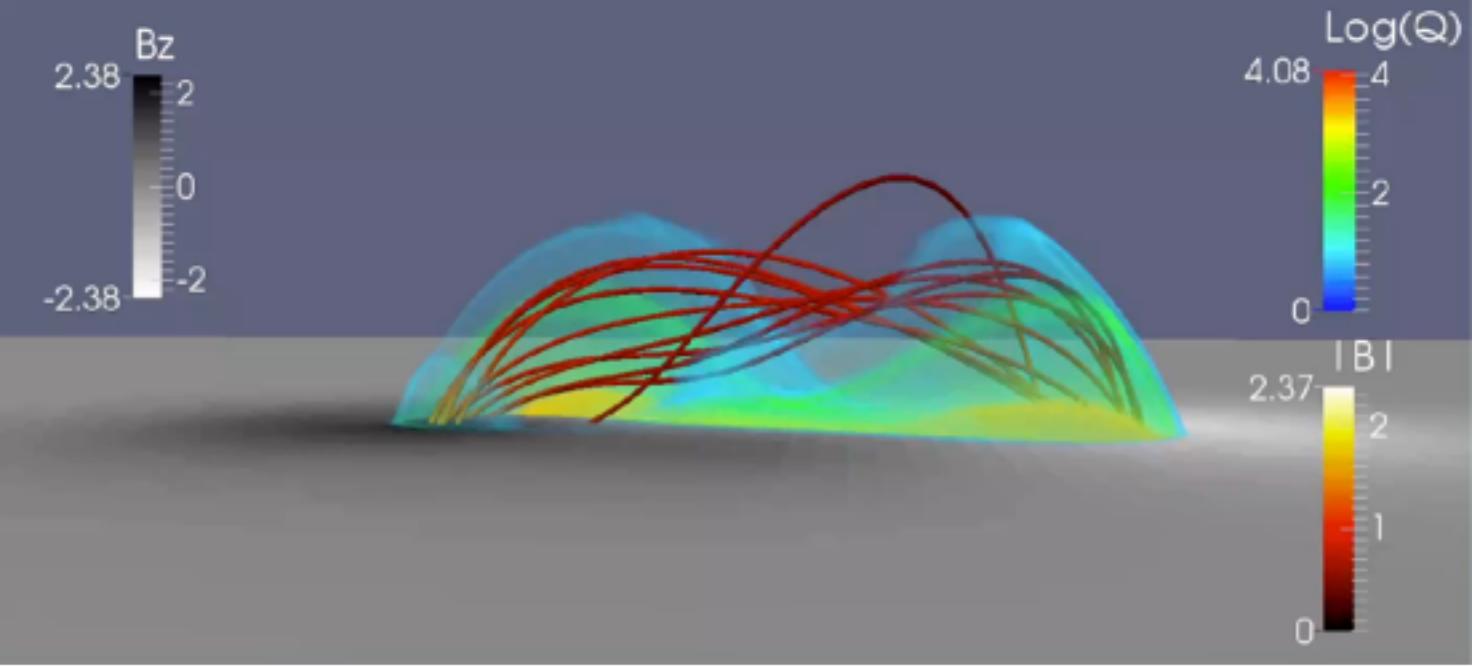

(d)
Log(Q)
4
2
1
0
Z (Mm)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
1
2
3
4
5
Y (Mm)

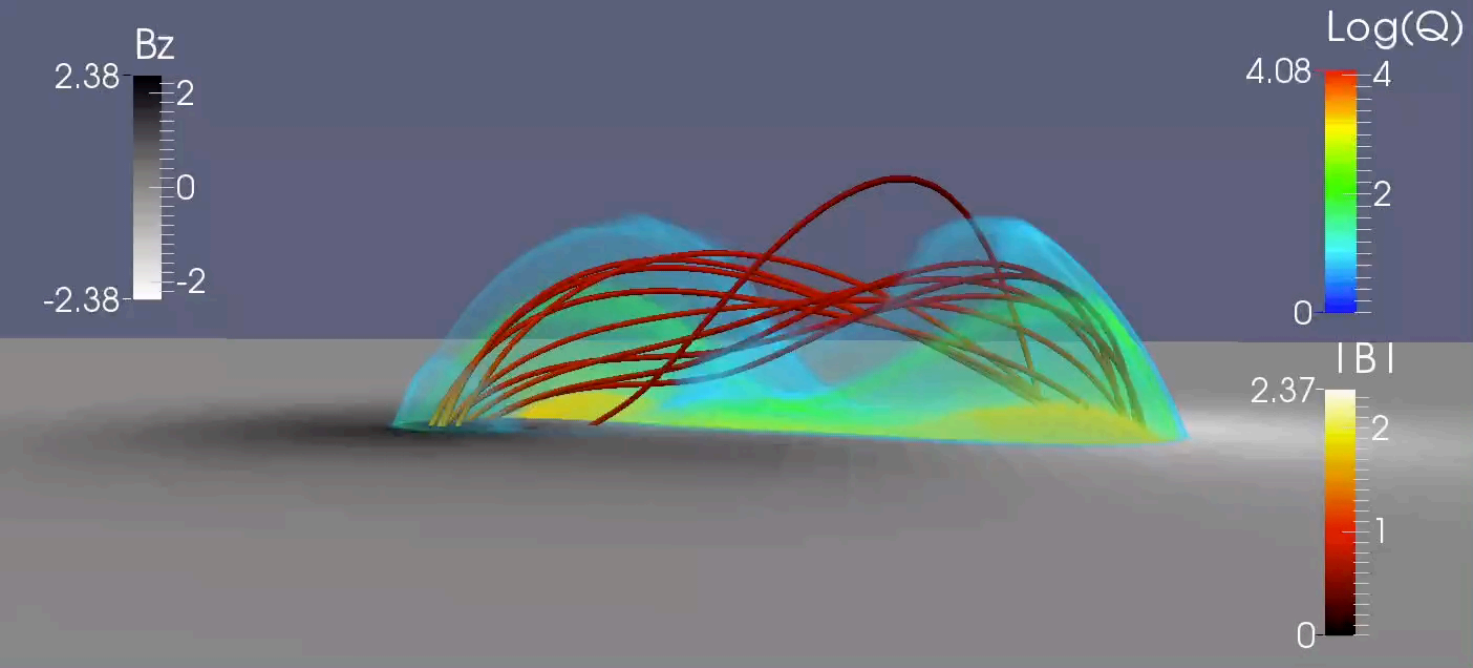

Bz
2.38
2
0
-2
-2.38
Log(Q)
4.08
4
2
0
|B|
2.37
2
1
0

e.g.2 Reconstructed MFR

e.g.1 TD model

A


Bz
2.38
2
0
-2
-2.38
Log(Q)
4.08
4
2
0
|B|
2.37
2
1
0


Bz
2.38
2
0
-2
-2.38
Log(Q)
4.08
4
2
0
|B|
2.37
2
1
0

A

Separatrix of the MFR

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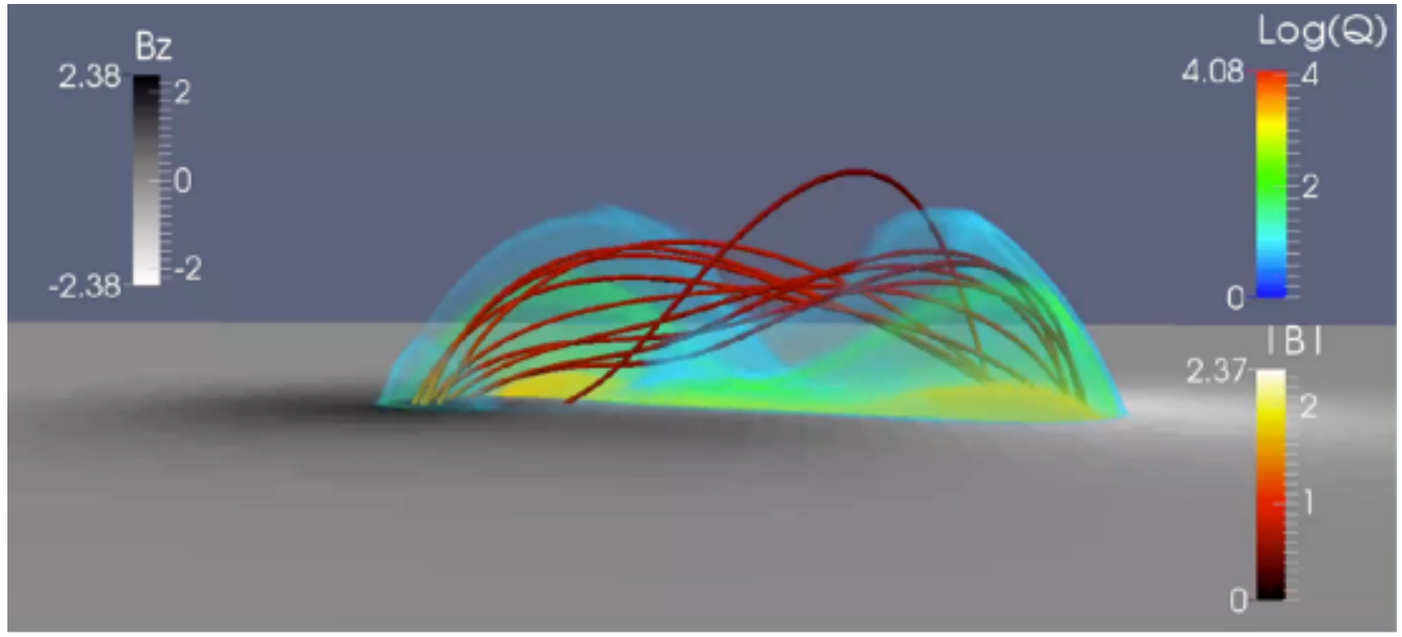
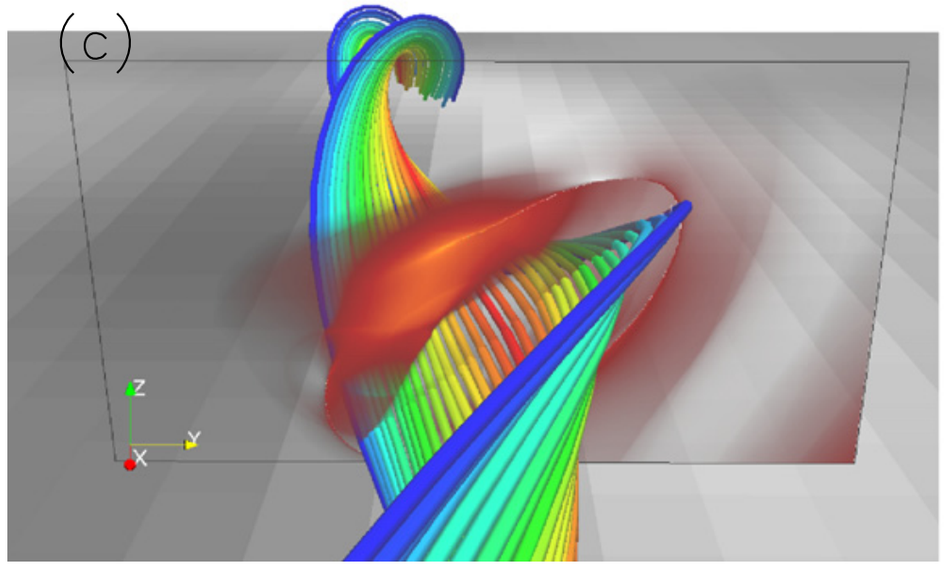
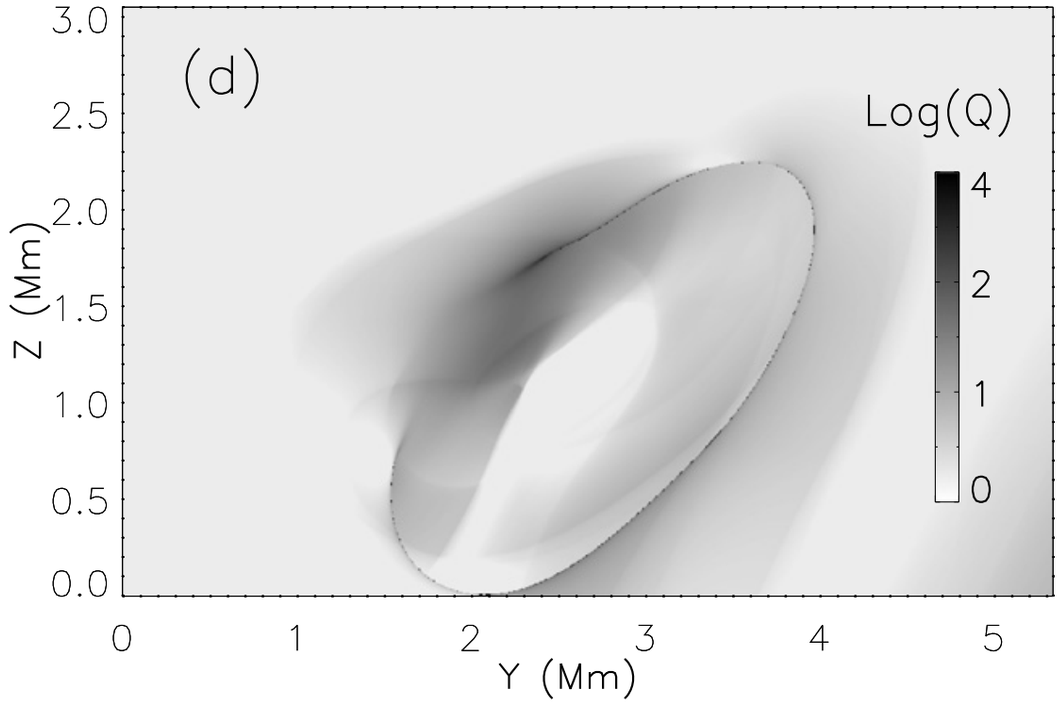
e.g.1 TD model



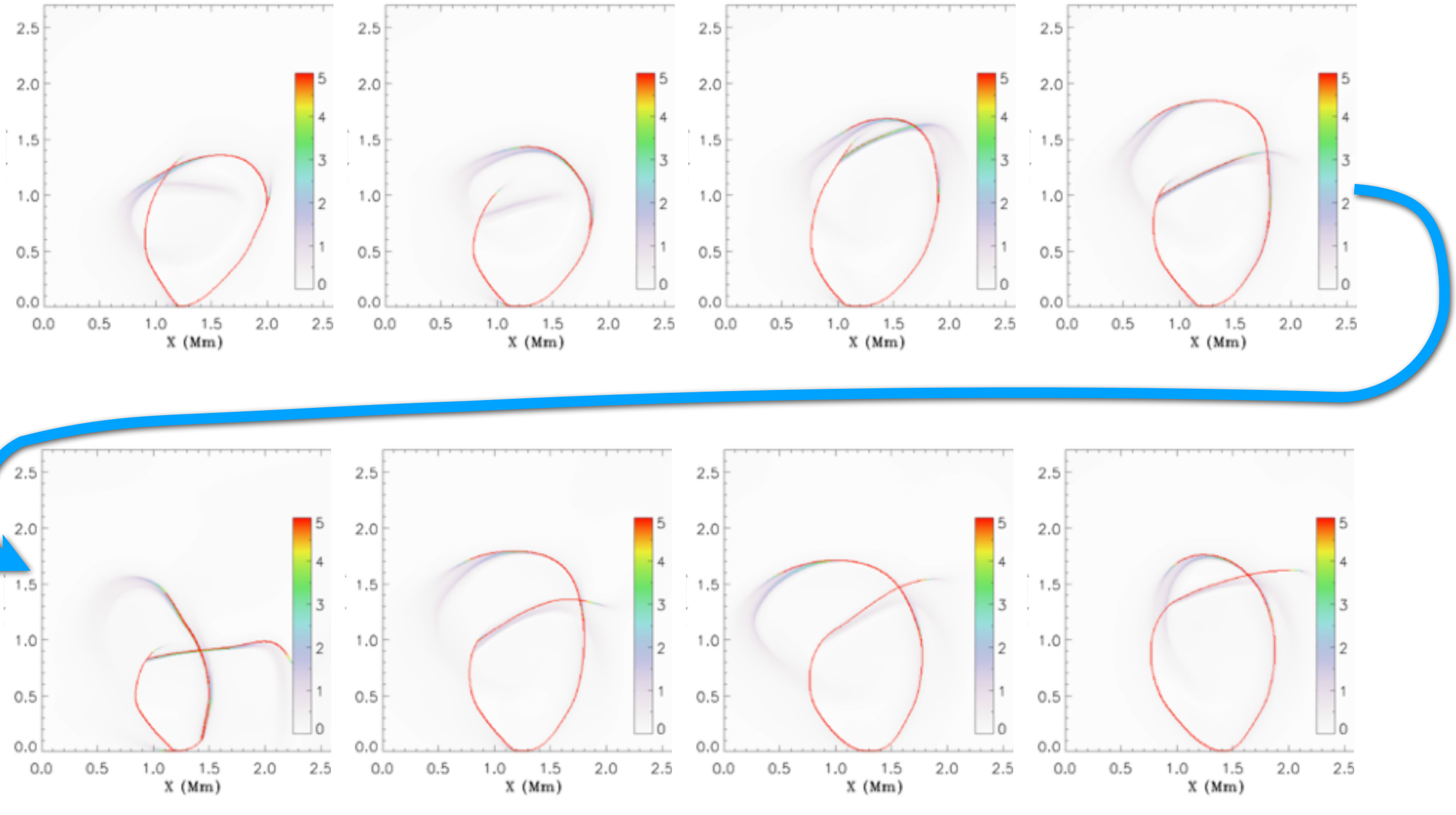
e.g.2 Reconstructed MFR





A

Separatrix of the Reconstructed MFR

* We use the $|\nabla L_B|$ denotes the separatrix.

Time