

Figure 1. from The Origin of Major Solar Activity: Collisional Shearing between Nonconjugated Polarities of Multiple Bipoles Emerging within Active Regions

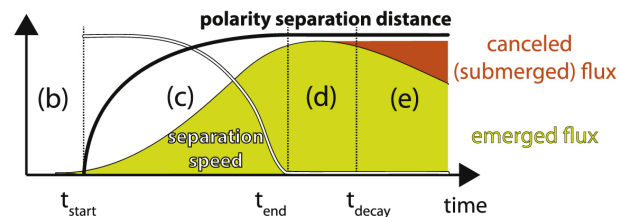
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<https://dx.doi.org/10.3847/1538-4357/aaef30>

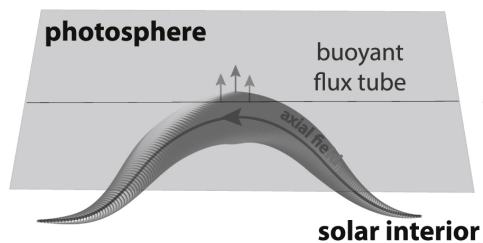
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Canonical Evolution of a Simple Conjugate Bipole AR

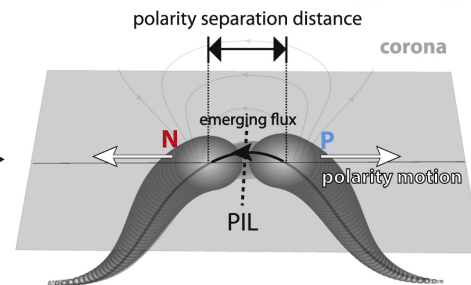
(a) Timeline of Emergence and Decay Phases



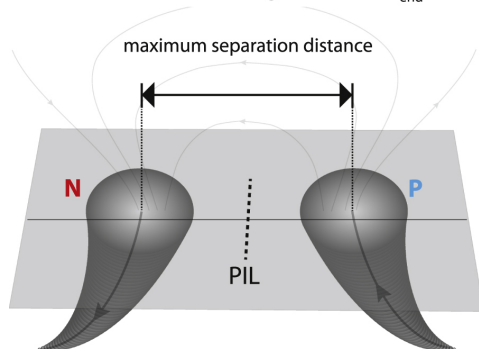
(b) Before Emergence Phase ($t < t_{\text{start}}$)



(c) Emergence Phase ($t_{\text{start}} < t < t_{\text{end}}$)



(d) End of Emergence ($t \sim t_{\text{end}}$)



(e) Decay Phase ($t > t_{\text{decay}}$)

