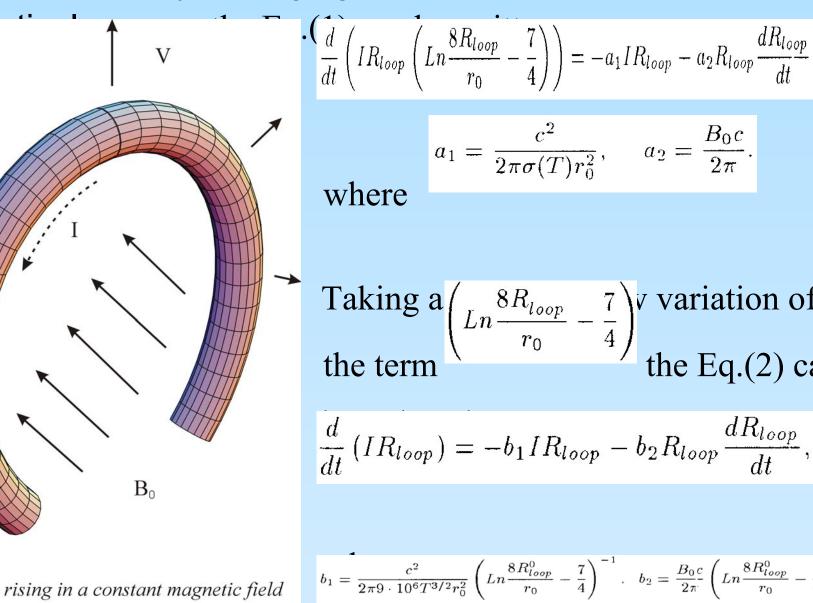
c loop doesn't move and only a new magnetic s below it. Equally, one can consider a situation will netic loop grows up and the space blow it is filled wit c field newly emerging from below the photosphere



itial condition I(t=0) = 0 and $R_{loop}(t) = R^{0}_{loop} + a t$ the Eq. lved analytically