$$\mathbb{R}_{m}^{\infty} = \mathbb{R}\left\{ H^{m} \xrightarrow[\text{diff}]{} \right\} \ni \sum_{} \varphi_{} = 0$$

$$\mathbb{R}_{\mathbb{I}}^{\infty} = \sum_{m} \mathbb{R}_{m}^{\infty}$$

$$\mathbb{R}^{3} \supset \Sigma \text{ surface}$$