$$\mathbb{U}|\daleth \quad \ni \quad \daleth = mP_m + \int^{d_\daleth \lambda} \sigma_\daleth \lambda$$

$$\mathcal{P}|\daleth \triangledown^{c}_{0} \mathbb{R} \quad \ni \quad d_\daleth \lambda := \ker \frac{1}{2} \underbrace{\daleth - \lambda I + | \daleth - \lambda I|}$$

$$\mathcal{P}|\daleth \triangledown_{0} \mathbb{R} \quad \ni \quad P_\lambda$$

$$\mathbb{U}|\daleth \quad \ni \quad \int^{dP_\lambda} \mathbb{R}\lambda = \int_{dP}^{\mathbb{R}} id$$

$$\mathcal{P}|\daleth \triangledown_{0} \mathbb{R} =$$

$$\frac{\lambda \in \mathbb{R} \xrightarrow{P} \mathcal{P}|\daleth \ni P_\lambda = \overset{*}{P}_\lambda = \overset{2}{P}_\lambda}{\lambda \leqslant \mu \Rightarrow P_\lambda \leqslant P_\mu \text{ isoton : } \quad \lambda \nearrow \mu \Rightarrow P_\mu \underset{s}{\rightsquigarrow} P_\lambda \text{ st rechts-stet : } \quad \lambda \rightsquigarrow +\infty \Rightarrow P_\lambda \underset{s}{\rightsquigarrow} I: \quad \lambda \rightsquigarrow -\infty \Rightarrow P_\lambda \underset{s}{\rightsquigarrow} 0:}$$

$$P_\lambda \leqslant P_\mu : P_\lambda P_\mu = P_\lambda = P_\mu P_\lambda$$

$$\begin{cases} P_\mu \underset{s}{\rightsquigarrow} P_\lambda \\ P_\lambda \underset{s}{\rightsquigarrow} I \\ P_\lambda \underset{s}{\rightsquigarrow} 0 \end{cases} : \bigwedge_{\daleth \in \daleth} \begin{cases} P_\mu \daleth \underset{||}{\rightsquigarrow} P_\lambda \daleth \\ P_\lambda \daleth \underset{||}{\rightsquigarrow} \daleth \\ P_\lambda \daleth \underset{||}{\rightsquigarrow} 0 \end{cases}$$

$$\bigwedge_{\rceil \in \rfloor} \rceil \ast \overbrace{\underbrace{P_{\mu} - P_{\lambda}}} \rceil \underset{\mu}{\rightsquigarrow} 0 \Longrightarrow P_{\mu} \underset{s}{\rightsquigarrow} P_{\lambda}$$

$$\overline{\overbrace{\underbrace{P_{\mu} - P_{\lambda}}}\rceil}^{2} = \overbrace{\underbrace{P_{\mu} - P_{\lambda}}}\rceil \ast \overbrace{\underbrace{P_{\mu} - P_{\lambda}}}\rceil = \rceil \ast \overbrace{\underbrace{P_{\mu} - P_{\lambda}}}\rceil \underset{\mu \rightsquigarrow \lambda}{\rightsquigarrow} 0$$

$$\begin{array}{ccc} \mathcal{P}|\rfloor \overset{\infty}{\underset{0}{\triangledown}} \mathbb{R} & \ni & P_{\lambda} \\ \downarrow & & \\ \mho|\rfloor & \ni & \int\limits_{dP_{\lambda}}^{\mathbb{R}} \lambda = \int\limits_{dP}^{\mathbb{R}} id \end{array}$$

$$\mathcal{P}|\rfloor \overset{\infty}{\underset{0}{\triangledown}} \mathbb{R} = \left\{ \begin{array}{c} \lambda \in \mathbb{R} \xrightarrow{P} \mathcal{P}|\rfloor \ni P_{\lambda} = \overset{*}{P}_{\lambda} = \overset{2}{P}_{\lambda} \\ \lambda \leqslant \mu \Longrightarrow P_{\lambda} \leqslant P_{\mu} : P_{\lambda} P_{\mu} = P_{\lambda} = P_{\mu} P_{\lambda} \text{ isoton} \\ \lambda \nearrow \mu \Longrightarrow P_{\mu} \underset{s}{\rightsquigarrow} P_{\lambda} : \bigwedge_{\rceil \in \rfloor} P_{\mu} \rceil \underset{||}{\rightsquigarrow} P_{\lambda} \rceil \text{ stark rechts-stet} \\ \lambda \geqslant M \Longrightarrow P_{\lambda} = I \lambda < m \Longrightarrow P_{\lambda} = 0 \end{array} \right\}$$