Ite algebra

$$\lim_{\phi \to 0} \frac{\exp[(\phi + \phi)^2] P - \exp[(\phi)^4] P}{\varphi \to 0} = \lim_{\phi \to 0} \frac{\exp[(\phi)^4] \exp[(\phi)^4] P - \exp[(\phi)^4] P}{\varphi \to 0}$$

$$=\lim_{\varphi\to 0}\frac{R(J_{r}(\phi)\varphi)^{2}P}{\varphi}=\lim_{\varphi\to 0}\frac{RP^{\prime}J_{r}(\phi)\varphi}{\varphi}=-RP^{\prime}J_{r}(\phi)$$

Perturbation:

$$\lim_{\varphi \to 0} \frac{\exp(\varphi')\exp(\varphi')p - \exp(\varphi')p}{\varphi} = \lim_{\varphi \to 0} \frac{\mathbb{R}(\varphi)p}{\varphi} = \lim_{\varphi \to 0} \frac{\mathbb{R}(\varphi)p}{\varphi} = \lim_{\varphi \to 0} \frac{\mathbb{R}(\varphi)p}{\varphi}$$

$$\frac{d \ln(R,R_2)}{dR_2} = \lim_{l \to \infty} \frac{1}{\ln(R,R_2)} \ln(R,R_2) - \ln(R,R_2)$$

$$= \lim_{l \to \infty} \frac{1}{\ln(R,R_2)} + J_r(\phi) + \varphi - \ln(R,R_2)$$

$$= J_r(\phi) + \int_{l \to \infty} \ln(R,R_2) - \ln(R,R_2)$$

$$= \lim_{l \to \infty} \ln(R,R_2) - \ln(R,R_2)$$

$$= \lim_{l \to \infty} \ln(R,R_2) + \lim_{l \to \infty} \ln(R,R_2)$$

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lie algebra:

$$\lim_{\phi \to 0} \exp[-\phi + \phi + \phi] = \exp[-\phi]$$

$$=\lim_{\varphi\to 0}\frac{R^{-1}(-J_{r}(-\varphi)\varphi)^{\wedge}P}{\varphi}=\lim_{\varphi\to 0}\frac{R^{-1}P^{\wedge}J_{r}(-\varphi)\varphi}{\varphi}=R^{-1}P^{\wedge}J_{r}(-\varphi)$$

Perturbation:

$$\lim_{\gamma \to 0} \frac{\exp(-\varphi) \exp(-\varphi) P - \exp(-\varphi) P}{\varphi} = \lim_{\gamma \to 0} \frac{R^{-1} (-\varphi)^{\Lambda} P}{\varphi}$$

$$= R^{-1}P^{\lambda}$$

$$\frac{d \ln (R, R_2^{-1})^{\vee}}{dR_3} = \lim_{\gamma \to 0} \ln [R, R_2^{-1} \exp(-\varphi)^{\gamma}]^{\vee} - \ln (R, R_3^{-1})^{\vee}$$

$$=\lim_{\varphi\to 0} \ln(R,R^{-1}) + J_{\Gamma}(\varphi)^{-1}(-\varphi) - \ln(R,R^{-1})$$

$$=-J_{r}(\phi)^{-1}, \phi=T_{r}(R,R_{r}^{-1})^{\prime}$$