

$$\lambda + \varrho \in \mathfrak{t}^\#$$

$$\dim_\lambda = \frac{\int_{\mathfrak{g}_{\lambda+\varrho}^\#} e^{\omega(\lambda+\varrho)}}{\int_{\mathfrak{g}_\varrho^\#} e^{\omega(\varrho)}} = \int_{\mathcal{O}_{\lambda+\varrho}} d\mu_{\lambda+\varrho}(\xi)$$

fix point localization

$$\int_{\mathfrak{g}_\varrho^\#} e^{\omega+2\langle X \rangle} = \det \frac{1/2 e^{X\mathfrak{K}} - e^{-X\mathfrak{K}}}{2X\mathfrak{K}}$$

$$\chi_\lambda(e^{-X}) = \frac{\int_{\mathfrak{g}_{\lambda+\varrho}^\#} e^{\omega_{\lambda+\varrho} + \langle X \rangle}}{\int_{\mathfrak{g}_\varrho^\#} e^{\omega + \langle X \rangle}} = \frac{\int_{\mathcal{O}_{\lambda+\varrho}} e^{iX|\xi} d\mu_{\lambda+\varrho}(\xi)}{J(X)}$$