semisimple $G \supset G_{\delta}^{=}$Cartan subgrp

$$
G \grave{m}_{m}^{2} \mathbb{C}=\sum_{G_{\delta}^{=}}^{G} \stackrel{1}{\delta}_{2}^{m} \mathbb{C}
$$

$$
\begin{gathered}
{ }_{\delta}^{G} \Delta_{m}^{2} \mathbb{C}=<G>_{\pi} \boldsymbol{\nabla}<\stackrel{*}{G}>_{\pi} \int_{\stackrel{H}{G_{\bar{\prime}}^{=}}}^{\pi} \stackrel{{ }_{G}^{G}}{=}=\text { series } \\
G_{0}^{=}: \quad \text { principal series } \\
\text { cpt } G_{c}^{=}: \quad \text { discrete series }
\end{gathered}
$$

