



Math for the people, by the people.

restriction representation

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Let $\rho : G \longrightarrow \mathrm{GL}(V)$ be a representation on a group G . The *restriction representation* of ρ to a subgroup H of G , denoted $\mathrm{Res}_H^G(V)$, is the representation $\rho|_H : H \longrightarrow \mathrm{GL}(V)$ obtained by restricting the function ρ to the subset $H \subset G$.