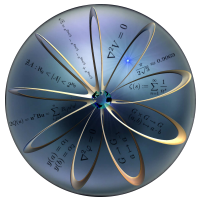

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equivalent representations of groupoids

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Definition 0.1. Two representations of groupoids $(\mu_i, U_{\mathsf{G}} * \mathcal{H}, L_i)$, for $i = 1, 2$ are called *equivalent* if $\mu_1 \sim \mu_2$, and if there also exists a fiber-preserving isomorphism of analytical Hilbert space bundles $v : (U_{\mathsf{G}} * \mathcal{H}_1)|_U \longrightarrow (U_{\mathsf{G}} * \mathcal{H}_2)|_U$, where U is a measurable subset of U_{G} of null complementarity; the isomorphism v also has the following property: $\hat{v}[r(x)]\hat{L}_1(x) = \hat{L}_2\hat{v}[d(x)]$ for $x \in \mathsf{G}|_U$.