

$$\begin{array}{ccc}
 \pi_1(X, x_0) & \xrightarrow{\hat{\alpha}} & \pi_1(X, x_1) \\
 & \searrow \hat{\gamma} = \widehat{\alpha * \beta} & \downarrow \hat{\beta} \\
 & & \pi_1(X, x_2).
 \end{array}$$