$$\frac{\left| \begin{array}{c} V_{ud} V_{ub}^* \\ \overline{V_{cd} V_{cb}^*} \end{array} \right| \qquad \alpha = \phi_2 \qquad \frac{\left| \begin{array}{c} V_{td} V_{tb}^* \\ \overline{V_{cd} V_{cb}^*} \end{array} \right|}{\left| \begin{array}{c} V_{td} V_{tb}^* \\ \overline{V_{cd} V_{cb}^*} \end{array} \right|}$$

$$\beta = \phi_1 \qquad (1,0)$$