

Abstract Submitted
for the APR12 Meeting of
The American Physical Society

Measurement of D^0 - \bar{D}^0 Mixing with CDF NAGESH KULKARNI,
Wayne State University, CDF COLLABORATION — Using CDF Run II data from
 8.8 fb^{-1} of $p\bar{p}$ collisions at 1.96 TeV, we measure the time-dependent ratio $R(t)$ of
decay rates $\Gamma(D^0 \rightarrow K^+\pi^-)$ to $\Gamma(D^0 \rightarrow K^-\pi^+)$ and determine the D^0 mixing
parameters x'^2 and y' , along with the significance of their deviation from the no-
mixing point $(x'^2, y') = (0, 0)$.

Robert Harr
Wayne State University

Date submitted: 05 Jan 2012

Electronic form version 1.4