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Measurements of CP violation in charm decays at CDF

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Measurements of CP violation in charm meson decays are presented using the complete 10/fb dataset collected by the CDF experiment at the Tevatron. The difference between CP-violating asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays is observed to be 2.8 sigma different from zero, supporting evidence of CP violation in charm reported by other experiments. In addition, world's most precise measurements of individual asymmetries in $D^0 \rightarrow hh$ and $D^0 \rightarrow K_S \pi^+ \pi^-$ are reported.

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