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Search for heavy resonances decaying into ZZ at CDF

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We report on a search for heavy resonances decaying into pairs of Z bosons using 6fb^-1 of ppbar collisions at sqrt(s)=2TeV collected by CDF.
The analysis explores three final states corresponding to decays of Z pairs into four charged leptons, two charged leptons plus neutrinos, and two charged leptons plus jets.
The results of the search are interpreted in the framework of theoretical models that predict heavy resonances decaying into ZZ, and for heavy resonance masses above 300GeV/c^2 we are sensitive to production cross-sections times branching ratio to ZZ below 0.2pb.

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