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Diboson production in ppbar collisions at $\sqrt{s}=1.96$ TeV with the D0 detector

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We present measurements of the production cross sections for $W/Z+\gamma$ and $W/Z+Z$ boson pairs using up to 8.6 fb^{-1} of ppbar collisions recorded with the D0 detector at the Fermilab Tevatron collider. In addition to comparing the total cross section measurements with the QCD predictions, we investigate differential distributions and set limits on possible anomalous couplings in the triple gauge boson vertices

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