

Abstract Submitted  
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**Analytical vacuum force, atmospheric pressure dispute** HAN YONGQUAN, 15611860790 — Typically, the gap gas molecules is  $10^{-9}$  m, since the center speed of the tornado is over 100 m / sec, it divided by the speed of a tornado, the gap of the gas molecules becomes  $10^{-11}$ m. Equivalent to the gap when there is no tornado that the gas molecules allow radiation to pass through, equivalent to the gap is reduced gas molecules 100 times by a tornado. There is no change in the Earth's radiate, the Earth's radiation is reduced to one percent of the original intensity by the radiation through the tornado periphery into the center of the tornado. According to the APS Division of Nuclear Physics in APS -2013 Fall Meeting - Event - Gravitational radiation theory <http://meetings.aps.org/Meeting/DNP13/Session/FB.8>, which I published, the gravity will be reduced to the original gravity percentage one. Waterspout by the Earth's gravity to become the original one percent. Cause the external of the tornadoes atmospheric pressure is constant, the height waterspout should support column height atmospheric pressure is 100 times, that height waterspout may reach nearly kilometers.

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