



## **Solitary, Giant Density-waves in the Thermosphere**

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During its half-year lifetime in 1988, the DBI microaccelerometer on board of the Italian San Marco satellite has observed 105 randomly distributed solitary, single-staying giant density waves. Their amplitude was 8-10 times larger than the amplitude of the surrounding waves. Sometimes only a half-wave, sometimes a single sinus type wave occurred, but never two sinus after each other. The giant waves seemingly did not disturb the background waviness of the atmosphere.