

# 国台学术报告 NAOC COLLOQUIUM

2012 年 第 02 次 / Number 02, 2012

**TIME: Wednesday, 10:00 AM, Jan. 11, 2012**    **LOCATION: A601 NAOC**

## Some aspects of Zebra-pattern theory

**Prof. Gennady P. Chernov**

**Pushkov Institute of Terrestrial Magnetism**

**Ionosphere and Radio wave propagation (IZMIRAN)**



Dr. Chernov P. Guennadi was born in October 30, 1941. In 1965, he graduated from Leningrad University in Astronomy. In 1990, he got a Ph.D of Physics-Mathematics from the Pushkov Institute of Terrestrial Magnetism, Ionosphere and Radio Wave Propagation (IZMIRAN). Since 1965, Dr. Chernov worked in IZMIRAN, and now he is the Leader Scientist. His main research is attributed in solar radio astronomy. His is one of the famous international solar physicists.

### Abstract

**DPR model:** Several questionable moments.

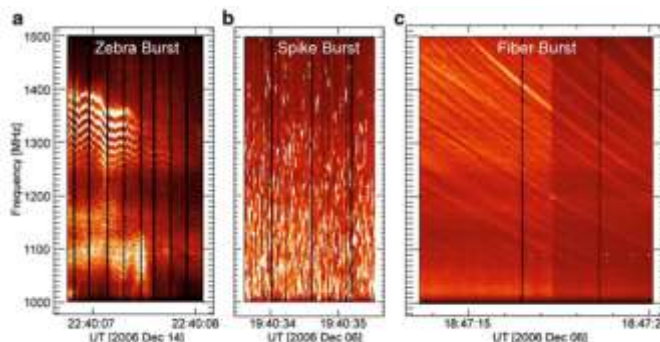
**Whistler mode:** Excitation; Linear instability.

**Whistler interaction with Langmuir waves:**

Zlotnik remarks (obstacle?) (CEAB, 2009, 1, 294).

Whistler fan instability: switching of whistler instability from normal Doppler cyclotron resonance to anomalous resonance.

**Conclusions:** DPR mechanism explains only general properties of ZP, and when a tentative is made to explain some unusual features some problems arise.



*All are welcome! Tea, coffee, biscuits will be served at 9:45 A.M.*

You are welcome to nominate speakers to Shude Mao ([shude.mao@gmail.com](mailto:shude.mao@gmail.com)), Licai Deng ([licai@bao.ac.cn](mailto:licai@bao.ac.cn)), Xuelei Chen ([xuelei@cosmology.bao.ac.cn](mailto:xuelei@cosmology.bao.ac.cn)).