

Institut Ruđer Bošković
ZAVOD ZA TEORIJSKU FIZIKU
Bijenička c. 54
ZAGREB, HRVATSKA

SEMINAR ZAVODA ZA TEORIJSKU FIZIKU
(Zajednički seminari Zavoda za teorijsku fiziku,
Zavoda za eksperimentalnu fiziku i Zavoda za teorijsku fiziku PMF-a)

Density functional method using optimized effective potential method with EXX and RPA

Hisazumi Akai

Department of Physics, Graduate School of Science, Osaka University, Japan

Datum: četvrtak 16. lipnja 2011.

Vrijeme: 15:00 c.t.

Mjesto: IRB, Seminar ZTF-a

Sažetak:

One of the methods going beyond LDA density functional is optimized effective potential (OEP) method. We have developed an OPE in the framework of the exact-exchange (EXX) and the correlation in the random phase approximation (RPA). Several new ideas that were the key-points to implement EXXRPA into OEP are explained.

Voditelj seminara: Dr. Hrvoje Nikolić
(hrvoje@thphys.irb.hr)