



TRR 80 Sonderseminar

Am Mittwoch, den 17. Juni um 11:00 Uhr

spricht

PD Dr. Jörg Bünemann

Universität Marburg

über das Thema

***The time-dependent Gutzwiller approximation:
response functions and out-of-equilibrium dynamics***

The time-dependent variational principle provides us with a general tool for the study of time-development in interacting many-particle systems. In such an approach, the exact time evolution of a many-particle state is approximated by that of a properly chosen (time-dependent) variational wave function. This general method has been applied in a number of works using time-dependent Gutzwiller wave functions for the investigation of single- or multi-band Hubbard models. In my presentation, I will give a comprehensive introduction into the method and discuss its merits and shortcomings, in particular, for the calculation of response functions or of out-of-equilibrium dynamics.

Gäste sind herzlich willkommen.

Der Vortrag findet im Seminarraum S-439 / Institut für Physik, Universität Augsburg statt.

Gastgeber: PD Dr. Marcus Kollar
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