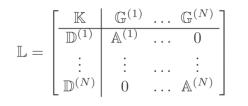
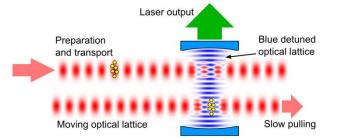
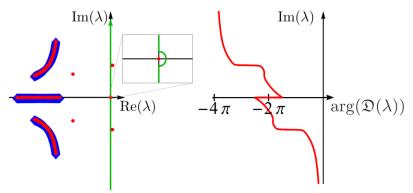
## Active optical frequency standards with trapped atoms: approaches and difficulties

G. Kazakov, Atominstitut TU Wien

- Active optical frequency standard: Idea, schemes and main difficulties
- Instabilities in bad cavity lasers with inhomogeneous broadening: Semiclassical equations, numerical approach







 Laser with incoherently pumped spin-1/2 atoms: Steady-state solutions, stability doimais

