

Summer Term 2024

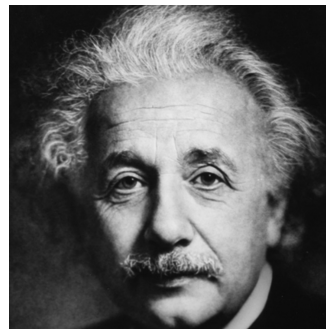
General Relativity

Lec.: Tue, 08.15 @ 46-576; First Lec.: April 23, 2024

Ex.: Wed, 15:30 @ 46-576; First Ex.: April 24, 2024

Contents:

- Special relativity
- Equivalence principle, geodesic equation, Riemann differential geometry
- Einstein field equations, Schwarzschild metric
- Perihel precession, geodesic precession, Thirring-Lense effect
- Gravitational waves



Nobelprize for Physics 1993



Joseph
Taylor



Russel
Hulse

Nobelprize for Physics 2017



Rainer
Weiss



Barry
Barish



Kip
Thorne

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