İTÜ | FİZİK MÜHENDİSLİĞİ BÖLÜMÜ

İTÜ FİZİK MÜHENDİSLİĞİ
BÖLÜM SEMİNERLERİ

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Two Uncharted Corners of General Relativity

I will discuss two relatively unexplored approximations to general relativity. One deals with a covariant, nonrelativistic expansion that captures strong fields, the other is an adiabatic approximation on the space of vacua generated by large diffeomorphisms. What these two approaches have in common is that they consider slow time dynamics and that they are expressible in terms of interesting geometric structures.