

ON LARGE VOLUME MODULI STABILIZATION
IN IIB ORIENTIFOLDS

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S u m m a r y

I present a brief introduction to the construction of explicit type IIB orientifold compactifications and summarize the ‘Large Volume Scenario’ on compact four-modulus Calabi–Yau manifolds. I discuss the relevance of this kind of setups for the physical MSSM-like model building and gravitational cosmology. These notes are based on my talk at the ‘Bogolyubov Kyiv Conference 2009’ on ‘Modern Problems of Theoretical and Mathematical Physics’.