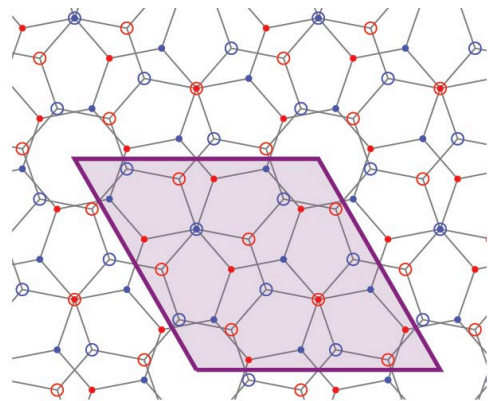


Michael Scheer, Kaiyuan Gu, Biao Lian, Princeton University

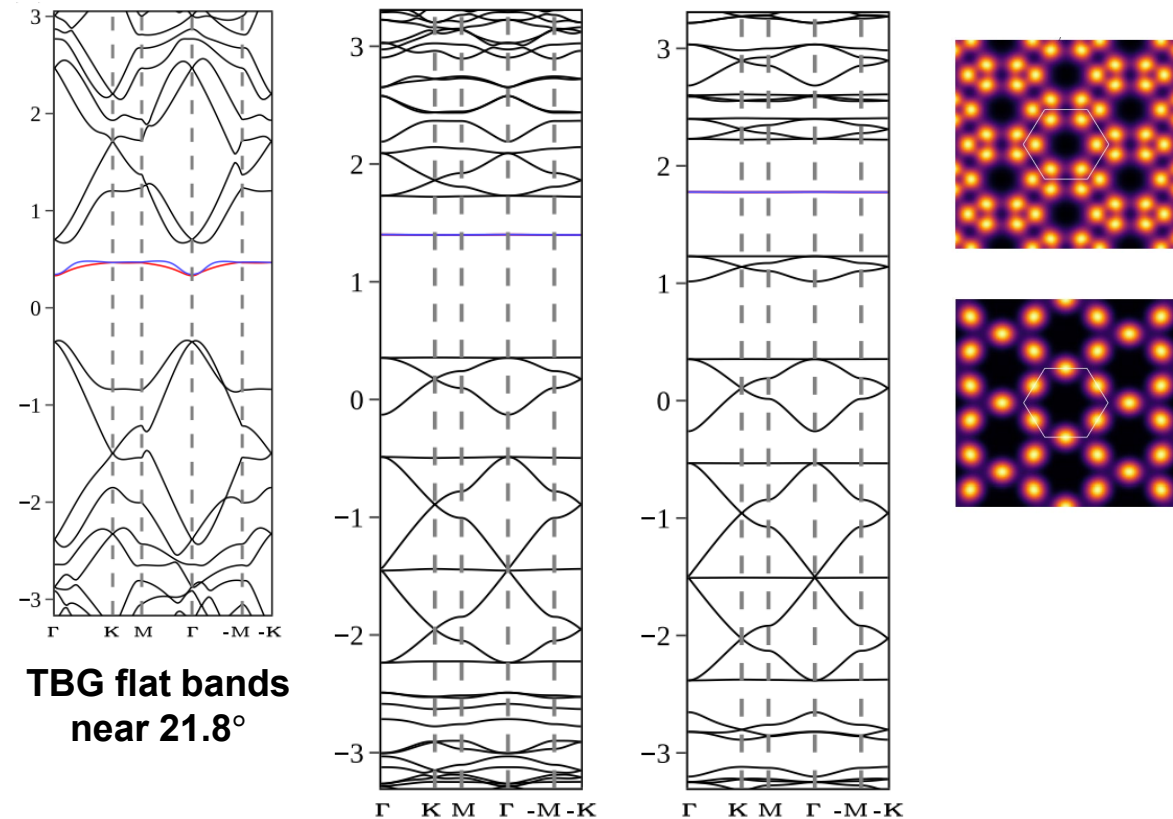
This IRG team derived the generic model of twisted bilayer graphene (TBG) and magic angles near large commensurate twist angles, such as 21.8° . They identified a hyper-magic regime in the parameter space, which yields over 7 simultaneous flat bands in moiré Kagome or honeycomb lattices.

Michael Scheer¹, Kaiyuan Gu¹, Biao Lian¹, *Phys. Rev. B* **106**, 115418 (2022). ¹Princeton University



TBG at commensurate angle 21.8°

Multiple Kagome and honeycomb flat bands in the hyper-magic regime



TBG flat bands near 21.8°