

Applications of MoS₂ as a Two-Dimensional Materials Beyond Graphene

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Overview

Origins and Discovery of Graphene

MoS₂ as Materials Beyond Graphene

Applications of MoS₂ in FETs

Conclusion

Before Graphene

Discovery of Graphene

Properties of Graphene

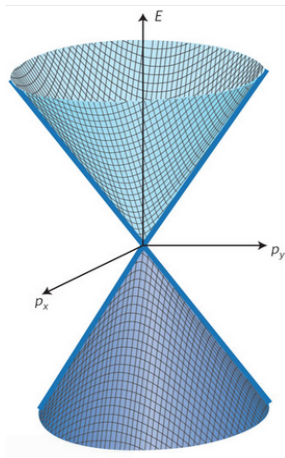


Figure: Electronic band structure of graphene [Fuhrer, 2010].

Transition Metal Dichalcogenides

Properties of MoS₂

Micromechanical Exfoliation

MoS₂ in FETs

MoS₂ in FETs Continued

Outlook and Conclusion

References



Fuhrer, M.S. (2010)

Graphene: Ribbons piece-by-piece

Nature Materials (9), 611–612.