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## First-principles calculations of magnetic and electronic properties for Fe-Ni interface

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Abstract: We have studied the electronic structures and magnetic properties tight-binding(TB) multialyers using the linear-muffin-tin of Fe-Ni orbitals(LMTO). Furthermore, we have studied the effect of vacancies in an The calculation of electronic structures for the ordered lattice of interface. disordered is carried out by a first-principle locally system space band method, which has self-consistent-spin-polarized real TB-LMTO method in conjunction with the recursion method.