Toulouse point of a non-fermi liquid impurity C.J. BOLECH, University of Geneva, ANIBAL IUCCI, University of Geneva — We present a mapping between a two-channel mixed-valece impurity model and a resonant-level Hamiltonian, that for particular values of the parameters becomes non-interacting. This property is analogous to the Toulouse point of the single-channel Kondo problem or the Kotliar-Si point of the infinite-U Anderson model, but displaying characteristics of non-Fermi-liquid physics like in the Emery-Kivelson mapping for the two-channel Kondo problem. We will discuss briefly some of the quantities that can be calculated by exploiting our mapping.

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