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## **Towards a solution of the CTMA integral equations and its implications for the dynamics of strongly correlated electron systems**

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The integral equations of the consistent t-matrix approximation (CTMA) are solved within the slow variable approximation and numerically with self adaptive nets. The solutions are in very good agreement. While the exponents of the auxiliary propagators in the CTMA are correctly given within this approach, there is growing evidence that Fermi-liquid behavior of the resulting spectral function for the f-electrons can be obtained only by adjusting the normal scattering potential part of the interaction. This is further investigated. An approximation is suggested, in which the potential adjustment can be avoided.

*Keywords* : Anderson impurity solver, CTMA, slow variable approximation