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Hamiltonians

single Tonelli Hamiltonian.

Vito Mandorino

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order the time-one maps of a family of Tonelli Hamiltonians. Such systems are known as

'polysystems' or 'iterated function systems'. When specialized to families of twist maps on the

**Connecting orbits for families of Tonelli** 

We investigate the existence of Arnold diffusion-type orbits for systems obtained by iterating in any

cylinder, our results are similar to those obtained by Moeckel [20] and Le Calvez [15]. Our approach

is based on weak KAM theory and is close to the one used by Bernard in [3] to study the case of a

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