

Title (en)

METHOD FOR SIMULATING A SET OF ELEMENTS, AND ASSOCIATED COMPUTER PROGRAM

Title (de)

VERFAHREN ZUR SIMULATION EINER REIHE VON ELEMENTEN SOWIE ZUGEHÖRIGES COMPUTERPROGRAMM

Title (fr)

PROCÉDÉ DE SIMULATION D'UN ENSEMBLE D'ÉLÉMENTS, PROGRAMME D'ORDINATEUR ASSOCIÉ

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Application

EP 13725145 A 20130523

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Abstract (en)

[origin: WO2013174923A1] The invention relates to a method for simulating a system of elements, according to which the behaviour of said elements is determined on the basis of a Hamiltonian H of the system of elements, such that (formula I) in which p is a vector indicating the moments of the elements, q is a vector indicating the positions of the elements, M^{-1} is a diagonal matrix that is a function of the masses of the elements, and V is the potential energy of the system, said method comprising a step according to which, when the moment vector p takes certain pre-determined values relating to at least one element, a null value is allocated to at least one diagonal term of the matrix M^{-1} relating to the element.

IPC 8 full level

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