

# From Fermi Pasta Ulam To Solutions And Chaos Or

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### **FROM FERMI-PASTA-ULAM TO SOLUTIONS AND CHAOS OR FROM FERMI ...**

*Fri, 21 Apr 2017 12:15:00 GMT*

title: from fermi-pasta-ulam to solutions and chaos or from fermi-pasta-ulam to solutions and chaos author: richard dibona last modified by: matthew c. song

### **FERMI-PASTA-ULAM-TSINGOU PROBLEM - WIKIPEDIA**

*Mon, 20 Jul 2015 15:08:00 GMT*

... the fermi-pasta-ulam-tsingou problem or formerly the fermi-pasta-ulam problem was the apparent paradox in chaos theory that ... soliton solutions of the ...

### **FERMI-PASTA-ULAM NONLINEAR LATTICE OSCILLATIONS - SCHOLARPIDIA**

*Sun, 17 Aug 2008 07:29:00 GMT*

fermi-pasta-ulam nonlinear lattice oscillations. ... solutions of the paradox. ... (1997) low-energy chaos in the fermi-pasta-ulam model. nonlinearity, ...

### **THE FERMI-PASTA-ULAM PROBLEM - UNIVERSITY OF MINNESOTA**

*Fri, 12 May 2017 05:31:00 GMT*

zthe fermi-pasta-ulam experiment on ... dynamical chaos) ... the fermi-pasta-ulam problem: 50 years of progress, chaos, 15 (2005)

### **THE FERMI-PASTA ULAM (FPU) PROBLEM**

*Sun, 23 Apr 2017 16:38:00 GMT*

the fermi-pasta ulam (fpu) ... conditions,” which is singularly appropriate for a subject that involves “chaos.” ... 4 enrico fermi, john pasta, and stan ulam

### **STABILITY OF SIMPLE PERIODIC ORBITS AND CHAOS IN A FERMI ...**

*Sun, 14 May 2017 23:08:00 GMT*

stability of simple periodic orbits and chaos in a fermi-pasta-ulam lattice ... analytical expressions of the spo1 and spo2 solutions un- ... the fermi-pasta-ulam problem

### **LOW ENERGY CHAOS IN THE FERMI-PASTA-ULAM PROBLEM**

*Fri, 25 Sep 2015 07:30:00 GMT*

low energy chaos in the fermi-pasta-ulam problem ... starting from 1955 the fermi-pasta-ulam ... below the chaos border (6) ...

### **LOW-ENERGY CHAOS IN THE FERMI - PASTA - ULAM PROBLEM**

*Tue, 17 Jan 2017 19:22:00 GMT*

low-energy chaos in the fermi - pasta - ulam problem view the table of contents for this issue, ... from 1955 the fermi-pasta-ulam (fpu) problem [1] ...

### **WEAK AND STRONG CHAOS IN FERMI-PASTA-ULAM MODELS AND BEYOND**

*Mon, 01 May 2017 07:10:00 GMT*

weak and strong chaos in fermi-pasta-ulam ... last decades as the one devised originally by fermi, pasta, and ulam sfpud in 1954.1 ... solutions would correspond ...

### **CHAOS AND STATISTICAL MECHANICS: FERMI-PASTA-ULAM A CASE STUDY**

*Wed, 17 Feb 2016 16:12:00 GMT*

chaos and statistical mechanics: fermi-pasta-ulam a ... chaos and statistical mechanics: fermi-pasta-ulam a case ... equations which admits solitonic solutions, ...

**ON THE HIGH ENERGY STABILITY OF THE NONLINEAR MODAL ...**

*Wed, 18 Jan 2017 08:22:00 GMT*

on the high energy stability of the nonlinear modal solutions for the fermi–pasta–ulam ... from weak to strong chaos  
mario leo, rosario antonio leo and piergiulio ...

**INTRODUCTION: THE FERMI–PASTA–ULAM PROBLEM—THE FIRST FIFTY ...**

*Fri, 03 Feb 2017 23:55:00 GMT*

these solutions can be thought of as being “nearby” to the solutions of the ... “ discrete breathers in fermi-pasta-ulam lattices,” chaos [https://doi ...](https://doi.org/10.1063/1.4944441)

**KORTEWEG–DE VRIES EQUATION AND ENERGY SHARING IN FERMI ...**

*Wed, 23 Jan 2002 23:59:00 GMT*

weak and strong chaos in fermi–pasta–ulam models and ... korteweg–de vries equation and energy sharing in fermi ...  
... in a good way the solutions of the fpu over ...

**FERMI, PASTA, ULAM, AND A MYSTERIOUS LADY**

*Thu, 11 May 2017 07:48:00 GMT*

the fermi-pasta-ulam (fpu) ... ered numerical solutions of schrödinger equations and ... fermi, j. pasta, s. ulam, ...

**FERMI, PASTA, ULAM, AND A MYSTERIOUS LADY: PHYSICS TODAY ...**

*Sat, 15 Apr 2017 13:05:00 GMT*

the fpu problem is thus of central importance in the theories of solitons and chaos ... “the ‘fermi-pasta-ulam ...  
numerical solutions of schrödinger equations ...

**ON THE BRINK OF CHAOS: STUDY OF FERMI-PASTA-ULAM EFFECTS IN 2D**

*Mon, 17 Apr 2017 06:15:00 GMT*

on the brink of chaos: study of fermi-pasta-ulam effects ... fermi-pasta-ulam effects are absent at small and ... most  
general solutions of newton’s laws for ...

**WEAK CHAOS DETECTION IN THE FERMI–PASTA–ULAM- $\alpha$  SYSTEM ...**

*Sun, 06 Mar 2016 17:52:00 GMT*

space regions where solutions generically exhibit ... weak chaos detection in the fermi–pasta–ulam- $\alpha$  system using  
q-gaussian statistics 2287 until, ...

**DISCRETE BREATHERS IN FERMI–PASTA–ULAM LATTICES**

*Sun, 25 Dec 2016 12:54:00 GMT*

discrete breathers in fermi–pasta–ulam lattices ... of these solutions in fpu models, ... chaos 15, 015112 s2005d

**FERMI PASTA ULAM SYSTEMS (FPU): MATHEMATICAL ASPECTS ...**

*Sat, 12 Dec 2009 18:57:00 GMT*

the fermi pasta ulam (fpu) chain is a hamiltonian model in statistical mechanics, that describes a nonlinear beaded  
string as well as a one dimensional crystal.

**THE FERMI-PASTA-ULAM PROBLEM - CLARK UNIVERSITY**

*Thu, 18 May 2017 14:42:00 GMT*

the fermi-pasta-ulam problem. ... "the fermi-pasta-ulam problem – the first fifty years,"" chaos 15 ... michel  
peyrard, and stefano ruffo, "the fermi-pasta-ulam ...

**FERMI, PASTA, ULAM AND A MYSTERIOUS LADY**

*Fri, 21 Apr 2017 12:30:00 GMT*

fermi, pasta, ulam and a mysterious lady thierry dauxois

**STANISLAW ULAM - WIKIPEDIA**

*Sat, 13 May 2017 06:13:00 GMT*

fermi-pasta-ulam ... to apply statistical methods to functions without known solutions, ... of chaos theory and is considered the first ...