

# Luttinger Model

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### **LUTTINGER-KOHN MODEL - WIKIPEDIA**

*Fri, 14 Apr 2017 13:35:00 GMT*

a flavor of the k-p perturbation theory used for calculating the structure of multiple, degenerate electronic bands in bulk and quantum well semiconductors.

### **LUTTINGER MODEL: THE FIRST 50 YEARS AND SOME NEW ...**

*Sat, 12 Nov 2016 17:41:00 GMT*

the luttinger model is the only model of many-fermion physics with legitimate claims to be both exactly and completely solvable. in several respects it plays the same ...

### **LUTTINGER LIQUID - WIKIPEDIA**

*Thu, 27 Apr 2017 08:33:00 GMT*

a tomonaga-luttinger liquid, more often referred to as simply a luttinger liquid, is a theoretical model describing interacting electrons (or other fermions) in a one ...

### **A 2D LUTTINGER MODEL | SPRINGERLINK**

*Tue, 17 Aug 2010 23:57:00 GMT*

abstract. a detailed derivation of a two dimensional (2d) low energy effective model for spinless fermions on a square lattice with local interactions is given.

### **THE LUTTINGER MODEL - RESEARCHGATE**

*Sat, 29 Apr 2017 09:43:00 GMT*

the thermodynamic correlation functions of the luttinger model are computed. the main tool is a precise bosonization formula for the fermion field.

### **MODIFIED LUTTINGER MODEL AND QUANTUM WIRES**

*Sat, 11 Mar 2017 22:15:00 GMT*

abstract. luttinger model reproduces well the plasmons energy spectrum of quantum wires but it gives a momenta distribution where the fermi surface has disappeared.

### **THE LUTTINGER MODEL | SPRINGERLINK**

*Sun, 23 Apr 2017 09:35:00 GMT*

the thermodynamic correlation functions of the luttinger model are computed. the main tool is a precise bosonization formula for the fermion field.

### **A 2D LUTTINGER MODEL - ARXIV**

*Mon, 27 Jul 2015 05:06:00 GMT*

february 26, 2009 a 2d luttinger model e. langmann theoretical physics, kth se-10691 stockholm, sweden langmann@kth abstract we derive a low energy e ctive model ...

### **A 2D LUTTINGER MODEL - ARXIV**

*Fri, 10 Feb 2017 13:31:00 GMT*

arxiv:0903.0055v3 [math-ph] 14 apr 2010 april 14, 2010 a 2d luttinger model edwin langmann theoretical physics, kth se-10691 stockholm, sweden langmann@kth

### **A GENERALISATION OF THE LUTTINGER MODEL - RESEARCHGATE**

*Fri, 14 Apr 2017 02:01:00 GMT*

j. phys.: condens. matter 2 (1990) 4815-4828. printed in the uk a generalisation of the luttinger model v bhan department of theoretical physics, central institute of ...

### **ABRIEFEXPOSITIONONLUTTINGERLIQUIDTHEORY - HARVARD UNIVERSITY**

*Mon, 10 Apr 2017 08:18:00 GMT*

abriefexpositiononluttingerliquidtheory temple he december 6, 2012 1 introduction luttinger liquid theory is a relatively simple model used to describe interacting ...

### **THE LUTTINGER LIQUID AND INTEGRABLE MODELS**

*Wed, 21 Dec 2016 18:06:00 GMT*

july 20, 2012 9:47 wscp/guidelines-ijmpb s0217979212440092 the luttingerliquid and integrable models corresponding two-dimensional classical model by taking ...

### **THE LUTTINGER MODEL - SPRINGERLINK**

*Thu, 27 Apr 2017 12:51:00 GMT*

the luttinger model 29 special interaction considered by mattis and overhauser the model was still soluble because it could be translated into two ...

### **LUTTINGER MODEL: THE FIRST 50 YEARS AND SOME NEW ...**

*Sat, 06 May 2017 09:06:00 GMT*

luttinger model:the first 50 years and some new directions and over one million other books are available for amazon kindle. learn more

### **FUNCTIONAL BOSONISATION OF THE TOMONAGA-LUTTINGER MODEL**

*Mon, 13 Mar 2017 04:26:00 GMT*

functional bosonisation of tomonaga- luttinger model 4157 this paper is organised as follows. in § 2, the spinless tomonaga-luttinger model

### **LUTTINGER MODEL - WHISOFO**

*Mon, 08 May 2017 06:54:00 GMT*

luttinger model luttinger model - title ebooks : luttinger model - category : kindle and ebooks pdf - author : ~ unidentified - isbn785458 - file type : ebooks pdf

### **PROPERTIES OF THE LUTTINGER MODEL - SCIENCEDIRECT**

*Thu, 13 Apr 2017 04:18:00 GMT*

an exactly soluble model of a one dimensional interacting fermi system, first studied by luttinger and by mattis and lieb, is re-examined. the emphasis is on the ...

### **ONE-DIMENSIONAL HUBBARD-LUTTINGER MODEL FOR ... - IOPSCIENCE**

*Sun, 26 Mar 2017 01:33:00 GMT*

one-dimensional hubbard-luttinger model for carbon nanotubes h a ishkhyanyan1,2 and v p krainov1 1moscow institute of physics and technology, 141700 dolgoprudny, russia

### **LUTTINGER MODEL FOR CURRENT AND SPIN-HALL CONDUCTIVITIES**

*Wed, 14 Dec 2016 04:17:00 GMT*

luttinger model for current and spin-hall conductivities s. kuwata department of frontier sciences, hiroshima city university, hiroshima 731-3194, japan

### **LUTTINGER MODEL AND LUTTINGER LIQUIDS - CITeseerX**

*Sun, 23 Oct 2016 00:32:00 GMT*

april 27, 2012 0:14 world scienti c book - 9in x 6in kk2 1 luttinger model and luttinger liquids vieri mastropietro university of rome tor vergata, math.

### **'LUTTINGER LIQUID THEORY' OF ONE-DIMENSIONAL QUANTUM ...**

*Mon, 13 Mar 2017 23:03:00 GMT*

'luttinger liquid theory' of 1 d quantum fluids: i 2587 the organisation of this paper is as follows. to avoid confusion, it deals only with

## **THE LUTTINGER MODEL WITH A FINITE-RANGE POTENTIAL - IOPSCIENCE**

*Wed, 25 Jan 2017 15:30:00 GMT*

7962 letter to the editor let us consider a luttinger model in which the undressed fermi velocity is  $u_f$ , and the potential has the form  $v(x) = v(\sin ax)/x$   $a > 0$ .

## **ONE-DIMENSIONAL HUBBARD-LUTTINGER MODEL FOR CARBON ...**

*Mon, 22 Jun 2015 23:56:00 GMT*

a hubbard-luttinger model is developed for qualitative description of one-dimensional motion of interacting pi-conductivity-electrons in carbon single-wall ...

## **LUTTINGER MODEL: THE FIRST 50 YEARS AND SOME NEW ...**

luttinger model: the first 50 years and some new directions: vieri mastropietro: 9789814520713: books - amazon

## **CITeseerX — A 2D LUTTINGER MODEL**

*Thu, 31 Dec 2009 23:57:00 GMT*

we derive a low energy effective model for a two dimensional (2d) system of spinless fermions on a square lattice with repulsive short-range interactions and away ...

## **LUTTINGER MODEL (JOURNAL ARTICLE) | SCITECH CONNECT**

*Tue, 21 Mar 2017 20:01:00 GMT*

the thermodynamic correlation functions of the luttinger model are computed. the main tool is a precise bosonization formula for the fermion field.

## **THE LUTTINGER MODEL: ITS ROLE IN THE RG-THEORY OF ONE ...**

*Fri, 21 Apr 2017 22:09:00 GMT*

journal of statistical physics, vol. 103, nos.3 4, 2001 the luttinger model: its role in the rg-theory of one dimensional many body fermi systems

## **LUTTINGER MODEL IN DIMENSIONS $D > 1$**

*Sun, 31 May 2015 12:40:00 GMT*

abstract in the present work the luttinger model is formally extended to  $d > 1$  dimensions. for purposes of comparison with the original model only short-range forces ...

## **LUTTINGER LIQUIDS - UNIVERSITY OF CALIFORNIA, BERKELEY**

*Tue, 25 Apr 2017 01:33:00 GMT*

luttinger liquids kevin chan cohen group meeting may 2, 2007 introduction luttinger liquid: system of 1d interacting fermions reasons for interest: strong ...