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## **4. Time- Dependent Density Functional Theory -**

A Primer in Density Functional Theory, M. Marques, Lecture Notes in Physics, vol. 620, p 4.1

Introduction 4.2 Time-Dependent DFT 4.2.1 Preliminaries 4.2.2

<http://adsabs.harvard.edu/abs/2003LNP...620..144M>

### **Time- Dependent Current Density Functional Theory -**

Fundamentals of Time-Dependent Density Functional Theory. Lecture Notes in Physics Volume 837, is the course of density functional theory.

[http://link.springer.com/chapter/10.1007/978-3-642-23518-4\\_24](http://link.springer.com/chapter/10.1007/978-3-642-23518-4_24)

### **Time- dependent density functional theory -**

Time-dependent density functional theory. LECTURE IV: TDDFT beyond the Time-dependent Schrödinger equation.

<http://www.tddft.org/TDDFT2012/school/Gross1.pdf>

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### **Center for Computational Physics -**

Center for Computational Physics, in Time-dependent density functional theory, K. Burke, and E.K.U. Gross, Lecture Notes in Physics, Vol. 706,

<http://cfc.fis.uc.pt/people.php?oid=5038203>

### **Time- Dependent Density Functional Theory - -**

Lecture Notes in Physics. Volume 706 2006. Time-Dependent Density Functional Theory. Editors: Miguel A Propagators for the Time-Dependent Kohn-Sham Equations.

<http://link.springer.com/book/10.1007/b11767107>

### **Books: Time-Dependent Density Functional Theory -**

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<http://www.tower.com/time-dependent-density-functional-theory-miguel-a-l-marques-paperback/wapi/123518467>

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TIME-DEPENDENT DENSITY-FUNCTIONAL THEORY: The School covered the topics that we believe constitute the core of the theory, and also included a few lectures about

[http://www.esf.org/index.php?eID=tx\\_nawsecuredl&u=0&file=fileadmin/be\\_user/rnp\\_docs/meetings/FinalReport3616.pdf&t=1438205746&hash=c63063c2043e96dc46dd298b1f1861397fc3aa7d](http://www.esf.org/index.php?eID=tx_nawsecuredl&u=0&file=fileadmin/be_user/rnp_docs/meetings/FinalReport3616.pdf&t=1438205746&hash=c63063c2043e96dc46dd298b1f1861397fc3aa7d)

### **Time- Dependent Density Functional Theory : -**

Time-Dependent Density Functional Theory by Miguel A. L. Marques, Carsten A. Ullrich, Fernando Nogueira, Angel Rubio, Kieron Burke, Eberhard K. U. Gross

<http://www.bookdepository.com/Time-Dependent-Density-Functional-Theory/9783540354222>

### **Wavelet-based linear-response time- dependent -**

Linear-response time-dependent (TD) density-functional theory A. Rubio, E.K.U. Gross (Eds.), Time-Dependent Density-Functional Theory, Lecture Notes in Physics, <http://www.sciencedirect.com/science/article/pii/S0301010412001437>

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From the reviews: "Time-Dependent Density Functional Theory represents a concise overview of the field . this is a well-structured text, with a common set of <http://www.amazon.com/Time-Dependent-Density-Functional-Lecture-Physics/dp/3540354220>

### **Publications Hunter College -**

Neepa Maitra's Publications. Last updated: June 2014. Book co-edited: Fundamentals of Time-Dependent Density Functional Theory, (Lecture Notes in Physics vol. 837 <http://www.hunter.cuny.edu/physics/faculty/maitra/publications>

### **Lecture 9: Free Energy Calculations - New York -**

Lecture 9: Advanced DFT Generalization of density functional theory to time-dependent systems is possible through Lecture Summary Adiabatic connection formula [http://www.nyu.edu/classes/tuckerman/quant.mech/lectures/lecture\\_13/lecture\\_13.ppt](http://www.nyu.edu/classes/tuckerman/quant.mech/lectures/lecture_13/lecture_13.ppt)

### **A primer in density functional theory lecture -**

A primer in density functional theory lecture notes in physics <http://www.atlantafalconslimos.com/a-primer-in-density-functional-theory-lecture-notes-in-physics/>

### **Gaussian Lecture: TD DFT 2 - YouTube -**

Mar 18, 2014 Analyzing TD DFT results [http://www.youtube.com/watch?v=4VnuB1hde\\_8](http://www.youtube.com/watch?v=4VnuB1hde_8)

### **Time- dependent density functional theory - -**

Time-dependent density functional theory (TDDFT) is a quantum mechanical theory used in physics and chemistry to investigate the properties and dynamics of many-body [http://en.wikipedia.org/wiki/Time-dependent\\_density\\_functional\\_theory](http://en.wikipedia.org/wiki/Time-dependent_density_functional_theory)

### **Lecture Notes in Physics #706: Time- Dependent -**

Time-dependent density functional theory (TDDFT) is based on a set of ideas and theorems quite distinct from those governing ground-state DFT, but emphasizing similar <http://www.powells.com/biblio/9783540354222>

### **Time- Dependent Density Functional Theory book | -**

Time-Dependent Density Functional Theory by Miguel A L Marques We never share your information and you can unsubscribe at any time. Lecture Notes in Physics, 706. <http://www.alibris.com/Time-Dependent-Density-Functional-Theory/book/9562499>

### **A primer in density functional theory lecture -**

NOTICIAS Se extiende Estatus de Protección Temporal para los Salvadoreños . 16 Feb 2015. A primer in density functional theory lecture notes in physics

<http://raliphernandezlaw.com/a-primer-in-density-functional-theory-lecture-notes-in-physics/>

### **Time- Dependent Density Functional Theory -**

SAO/NASA ADS Physics Abstract Service Time-Dependent Density Functional Theory: Time-Dependent Density Functional Theory: , Lecture Notes in Physics,

<http://adsabs.harvard.edu/abs/2006LNP...706.....M>

### **6th Time- Dependent Density- Functional Theory: -**

is the publication of two Springer Lecture Notes book with the Time-dependent density-functional theory time-dependent current functional theory)

<http://benasque.org/2014tddft/>

### **ISBN: 9783540354222 - Time- Dependent Density -**

Book information and reviews for ISBN:9783540354222, Time-Dependent Density Functional Theory (Lecture Notes In Physics) by Miguel A.L. Marques.

<http://www.openisbn.com/isbn/9783540354222/>

### **Physics - Viewpoint: A not-so-steady state -**

Time-dependent density functional theory, Lecture Notes in Physics Vol and the Derivative Discontinuity of Time-Dependent Density Functional Theory. S

<http://physics.aps.org/articles/v3/47>

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in massively parallel computer architectures: Density Functional Theory (Lecture Notes in Physics of Time-Dependent Density Functional Theory

<http://iopscience.iop.org/0953-8984/24/23/233202/article>

### **Time- dependent density functional theory (eBook, -**

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### **Density functional theory - Wikipedia, the free -**

Density functional theory (DFT) is a computational quantum mechanical modelling method used in physics, chemistry and materials science to investigate the electronic

[http://en.wikipedia.org/wiki/Density\\_functional\\_theory](http://en.wikipedia.org/wiki/Density_functional_theory)