Syntron_® Magnetic Vibrator

F.O. 13748 Model V - 50 - D1

Volts 115 Hz 60 Amps

07/03 Serial GPMV20550

Made in U.S.A. under one or more of the following patents 3167670, 3522460, and others pending

FMC Technologies

Homer City, PA 15748 · 800-362-8999



Syntron Vibrator Service Manual

Sabine Zange

Syntron Vibrator Service Manual:

Air Pollution Engineering Manual Los Angeles County (Calif.). Air Pollution Control District, 1973 Catalog of Copyright Entries. Third Series Library of Congress. Copyright Office, 1968 Includes Part 1 Number 1 Books and Pamphlets Including Serials and Contributions to Periodicals January June Machine Design ,1967 Catalogue of Title-entries of Books and Other Articles Entered in the Office of the Librarian of Congress, at Washington, Under the Copyright Law ... Wherein the Copyright Has Been Completed by the Deposit of Two Copies in the Office Library of Congress. Copyright Factory George Worthington, 1967 Catalog of Copyright Entries, Third Series Library of Congress. Office, 1969 Copyright Office, 1970 The record of each copyright registration listed in the Catalog includes a description of the work copyrighted and data relating to the copyright claim the name of the copyright claimant as given in the application for registration the copyright date the copyright registration number etc Books and Pamphlets, Including Serials and Contributions to Periodicals Library of Congress. Copyright Office, 1968 Mechanical Engineering, 1961

Construction Methods ,1957 Plant Maintenance and Engineering ,1960 Constructor, 1943 Ceramic Age ,1967 The total ceramic spectrum Electric Light and Power ,1962 Pit & Quarry, 1962 The basic magazine in a basic Power Plant Engineering, 1963 Power_Engineering,1963 Brick ,1962 **Roads and Bridges** ,1948 industry

Food Processing, 1962 Power .1971 Delve into the emotional tapestry woven by in Experience **Syntron Vibrator Service Manual**. This ebook, available for download in a PDF format (PDF Size: *), is more than just words on a page; itis a journey of connection and profound emotion. Immerse yourself in narratives that tug at your heartstrings. Download now to experience the pulse of each page and let your emotions run wild.

http://www.frostbox.com/book/uploaded-files/index.jsp/wiring diagram for gmc c8500 diesel truck.pdf

Table of Contents Syntron Vibrator Service Manual

- 1. Understanding the eBook Syntron Vibrator Service Manual
 - The Rise of Digital Reading Syntron Vibrator Service Manual
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Syntron Vibrator Service Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Syntron Vibrator Service Manual
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Syntron Vibrator Service Manual
 - Personalized Recommendations
 - Syntron Vibrator Service Manual User Reviews and Ratings
 - Syntron Vibrator Service Manual and Bestseller Lists
- 5. Accessing Syntron Vibrator Service Manual Free and Paid eBooks
 - Syntron Vibrator Service Manual Public Domain eBooks
 - Syntron Vibrator Service Manual eBook Subscription Services
 - Syntron Vibrator Service Manual Budget-Friendly Options

- 6. Navigating Syntron Vibrator Service Manual eBook Formats
 - o ePub, PDF, MOBI, and More
 - Syntron Vibrator Service Manual Compatibility with Devices
 - Syntron Vibrator Service Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Syntron Vibrator Service Manual
 - Highlighting and Note-Taking Syntron Vibrator Service Manual
 - Interactive Elements Syntron Vibrator Service Manual
- 8. Staying Engaged with Syntron Vibrator Service Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Syntron Vibrator Service Manual
- 9. Balancing eBooks and Physical Books Syntron Vibrator Service Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Syntron Vibrator Service Manual
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Syntron Vibrator Service Manual
 - Setting Reading Goals Syntron Vibrator Service Manual
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Syntron Vibrator Service Manual
 - Fact-Checking eBook Content of Syntron Vibrator Service Manual
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements

• Interactive and Gamified eBooks

Syntron Vibrator Service Manual Introduction

In todays digital age, the availability of Syntron Vibrator Service Manual books and manuals for download has revolutionized the way we access information. Gone are the days of physically flipping through pages and carrying heavy textbooks or manuals. With just a few clicks, we can now access a wealth of knowledge from the comfort of our own homes or on the go. This article will explore the advantages of Syntron Vibrator Service Manual books and manuals for download, along with some popular platforms that offer these resources. One of the significant advantages of Syntron Vibrator Service Manual books and manuals for download is the cost-saving aspect. Traditional books and manuals can be costly, especially if you need to purchase several of them for educational or professional purposes. By accessing Syntron Vibrator Service Manual versions, you eliminate the need to spend money on physical copies. This not only saves you money but also reduces the environmental impact associated with book production and transportation. Furthermore, Syntron Vibrator Service Manual books and manuals for download are incredibly convenient. With just a computer or smartphone and an internet connection, you can access a vast library of resources on any subject imaginable. Whether youre a student looking for textbooks, a professional seeking industry-specific manuals, or someone interested in self-improvement, these digital resources provide an efficient and accessible means of acquiring knowledge. Moreover, PDF books and manuals offer a range of benefits compared to other digital formats. PDF files are designed to retain their formatting regardless of the device used to open them. This ensures that the content appears exactly as intended by the author, with no loss of formatting or missing graphics. Additionally, PDF files can be easily annotated, bookmarked, and searched for specific terms, making them highly practical for studying or referencing. When it comes to accessing Syntron Vibrator Service Manual books and manuals, several platforms offer an extensive collection of resources. One such platform is Project Gutenberg, a nonprofit organization that provides over 60,000 free eBooks. These books are primarily in the public domain, meaning they can be freely distributed and downloaded. Project Gutenberg offers a wide range of classic literature, making it an excellent resource for literature enthusiasts. Another popular platform for Syntron Vibrator Service Manual books and manuals is Open Library. Open Library is an initiative of the Internet Archive, a non-profit organization dedicated to digitizing cultural artifacts and making them accessible to the public. Open Library hosts millions of books, including both public domain works and contemporary titles. It also allows users to borrow digital copies of certain books for a limited period, similar to a library lending system. Additionally, many universities and educational institutions have their own digital libraries that provide free access to PDF books and manuals. These libraries often offer academic texts, research papers, and technical manuals, making them invaluable resources for students and researchers. Some notable examples include MIT OpenCourseWare, which offers free

access to course materials from the Massachusetts Institute of Technology, and the Digital Public Library of America, which provides a vast collection of digitized books and historical documents. In conclusion, Syntron Vibrator Service Manual books and manuals for download have transformed the way we access information. They provide a cost-effective and convenient means of acquiring knowledge, offering the ability to access a vast library of resources at our fingertips. With platforms like Project Gutenberg, Open Library, and various digital libraries offered by educational institutions, we have access to an ever-expanding collection of books and manuals. Whether for educational, professional, or personal purposes, these digital resources serve as valuable tools for continuous learning and self-improvement. So why not take advantage of the vast world of Syntron Vibrator Service Manual books and manuals for download and embark on your journey of knowledge?

FAQs About Syntron Vibrator Service Manual Books

What is a Syntron Vibrator Service Manual PDF? A PDF (Portable Document Format) is a file format developed by Adobe that preserves the layout and formatting of a document, regardless of the software, hardware, or operating system used to view or print it. **How do I create a Syntron Vibrator Service Manual PDF?** There are several ways to create a PDF: Use software like Adobe Acrobat, Microsoft Word, or Google Docs, which often have built-in PDF creation tools. Print to PDF: Many applications and operating systems have a "Print to PDF" option that allows you to save a document as a PDF file instead of printing it on paper. Online converters: There are various online tools that can convert different file types to PDF. How do I edit a Syntron Vibrator Service Manual PDF? Editing a PDF can be done with software like Adobe Acrobat, which allows direct editing of text, images, and other elements within the PDF. Some free tools, like PDFescape or Smallpdf, also offer basic editing capabilities. How do I convert a Syntron Vibrator Service Manual PDF to another file format? There are multiple ways to convert a PDF to another format: Use online converters like Smallpdf, Zamzar, or Adobe Acrobats export feature to convert PDFs to formats like Word, Excel, JPEG, etc. Software like Adobe Acrobat, Microsoft Word, or other PDF editors may have options to export or save PDFs in different formats. How do I password-protect a Syntron Vibrator **Service Manual PDF?** Most PDF editing software allows you to add password protection. In Adobe Acrobat, for instance, you can go to "File" -> "Properties" -> "Security" to set a password to restrict access or editing capabilities. Are there any free alternatives to Adobe Acrobat for working with PDFs? Yes, there are many free alternatives for working with PDFs, such as: LibreOffice: Offers PDF editing features. PDFsam: Allows splitting, merging, and editing PDFs. Foxit Reader: Provides basic PDF viewing and editing capabilities. How do I compress a PDF file? You can use online tools like Smallpdf, ILovePDF, or desktop software like Adobe Acrobat to compress PDF files without significant quality loss. Compression reduces the file size, making it easier to share and download. Can I fill out forms in a PDF file? Yes, most PDF viewers/editors like Adobe

Acrobat, Preview (on Mac), or various online tools allow you to fill out forms in PDF files by selecting text fields and entering information. Are there any restrictions when working with PDFs? Some PDFs might have restrictions set by their creator, such as password protection, editing restrictions, or print restrictions. Breaking these restrictions might require specific software or tools, which may or may not be legal depending on the circumstances and local laws.

Find Syntron Vibrator Service Manual:

wiring diagram for gmc c8500 diesel truck wiring diagrams ford tractor 3930

wiring diagram libero 2000

wiring diagram for volvo s40 brake system
wiring diagram of 3 gang switch

wiring diagram for 1983 sea ray ignition switch

wiring diagram for mercury v6

wiring diagram for honda aquatrax wiring diagrams for mazda 323

wiring diagram sf 1300 mitsubishi

wiring diagram electric motor

wiring diagram for headlights for a 1990 jeep cherokee

wiring diagram for 2 speed wiper motor ford transit

wiring diagrams 1990 nissan pick up

wiring diagram for 2810 ford tractor

Syntron Vibrator Service Manual:

pearl s buck the online books page - Apr 15 2023

web all men are brothers shui hu chan 2 volumes new york limited editions club 1948 by shi nai an and luo guanzhong contrib by lin yutang illust by miguel covarrubias both volumes page images at cmu

all men are brothers free online library - Sep 08 2022

web jan 1 2007 all men are brothers originally published as two 700 page volumes pearl s buck s translation of shi napan 1290 1365 and luo guanzhong s 1330 1400 chinese martial arts novel all men are brothers is now available in a new single

volume edition from moyer bell

all men are brothers chuan shui hu buck pearl s translated - Mar 02 2022

web all men are brothers hardcover box set january 1 1937 pearl buck s renerding of all men are brothers is of course her finest work and a classic of american prose

all men are brothers by pearl s buck open library - Mar 14 2023

web oct 21 2020 april 1 2008 created by an anonymous user imported from scriblio marc record all men are brothers by pearl s buck miguel covarrubias 1949 heritage press edition in english

foreignization of nicknames of characters in all men are brothers - Feb 01 2022

web introduction as the peak of the development of chinese classical novels in the 1930s the all men are brothers was first translated into english by pearl s buck and began to spread in

all men are brothers paperback 1 july 2004 amazon co uk - Oct 09 2022

web jul 1 2004 buy all men are brothers translation by buck pearl s isbn 9781559213035 from amazon s book store everyday low prices and free delivery on eligible orders

all men are brothers shi nai an luo guanzhong pearl s buck - Jul 18 2023

web jan 1 2006 all men are brothers shi nai an luo guanzhong pearl s buck 9781559213035 amazon com books books all men are brothers by buck pearl s biblio com - Jun 05 2022

web octavo hardcover vg in somewhat edgeworn red and yellow dj with two taped tears pp 651 to pp 1279 originally written in 1933 photo of pearl buck on back dj considered by most to be one to the three or four greatest novels in chinese literature all men are brothers by nai an shi open library - May 16 2023

web sep 30 2023 created by importbot imported from western washington university marc record all men are brothers shui hu chuan by nai an shi shui huchuan pearl s buck miguel covarrubias 1933 john day co edition in english

all men are brothers shui hu chuan volume 1 google books - Jan 12 2023

web all men are brothers shui hu chuan volume 1 all men are brothers shui hu chuan pearl sydenstricker buck authors nai an shi guanzhong luo translated by pearl sydenstricker buck publisher john day company 1933 export citation bibtex endnote refman

all men are brothers pearl s buck free download borrow - Sep 20 2023

web jun 12 2022 all men are brothers or shui hu zhuan is one of the earliest chinese novels written in vernacular mandarin and is attributed to shi nai an

all men are brothers shui hu chuan google books - Dec 11 2022

web pearl s buck june 26 1892 march 6 1973 pearl sydenstricker buck was an american author best know for her novels

about china buck was born on june 26 1892 in hillsboro west

all men are brothers nai an shi guanzhong luo google books - Feb 13 2023

web this translation of a chinese classic 14th century is the epic tale of a band of patriots in china during the latter part of sung dynasty and is considered by most to be one to the three or four greatest novels in chinese literature water margin wikipedia - Aug 19 2023

web pearl s buck was the first english translator of the entire 70 chapter version titled all men are brothers and published in 1933 the book was well received by the american public however it was also criticised for its errors such as the mistranslation of lu zhishen s nickname flowery monk as priest hua

all men are brothers by buck pearl s covarrubias - May 04 2022

web sep 8 2020 free shipping signed by author s first edition thus hardcover the limited editions club new york 1948 dust jacket included limited edition of this translation of the classic chinese 14th century tale of a group of rebel outlaws an attractive production issued by the limited editions club pearl s buck was one of the first to

all men are brothers trans by pearl buck heritage press 1948 - Nov 10 2022

web english publisher the george macy companies inc publication date january 1 1948 see all details customers who viewed this item also viewed page 1 of 1 start over all men are brothers shui hu chuan collector s library of famous editions leather bound pearl author buck hardcover

all men are brothers by buck pearl s translator abebooks - Aug 07 2022

web all men are brothers trans by pearl buck heritage press 1948 miguel covarrubias illustrator pearl s buck translator published by the george macy companies inc

pearl s buck wikipedia - Jul 06 2022

web all men are brothers new york john day 1933 a translation by buck of the chinese classical prose epic water margin shui hu zhuan the mother new york john day 1933 serialized in cosmopolitan 7 1933 1 1934

all men are brothers by shi nai an goodreads - Jun 17 2023

web 2 580 ratings244 reviews this translation of a chinese classic 14th century is the epic tale of a band of patriots in china during the latter part of sung dynasty and is considered by most to be one to the three or four greatest novels in chinese literature

all men are brothers shui hu chuan translated from the - Apr 03 2022

web all men are brothers shui hu chuan translated from the chinese by pearl s buck shui hu chuan description london methuen 1937 xiv 1279 p ill 22 cm other authors contributors buck pearl s pearl sydenstricker 1892 1973 and through them to all australian aboriginal and torres strait islander people contact us 61

organic i final exam review resources chemistry libretexts - Apr 10 2023

web may 11 2022 description test bank for chemistry an introduction to general organic and biological chemistry timberlake 13e prepares you efficiently for your upcoming

chemistry an introduction to general organic and biological - Mar 09 2023

web organic chemistry practice exams and answers timberlake essential sqa exam practice national 5 chemistry questions and papers oct 05 2021 exam board sqa

organic chemistry practice exams and answers timberlake copy - Feb 08 2023

web test and improve your knowledge of organic chemistry i with fun multiple choice exams you can take online with study com

organic chemistry practice exams and answers timberlake - Jan 27 2022

web this organic chemistry practice exams and answers timberlake as one of the most practicing sellers here will totally be along with the best options to review organic

organic chemistry practice problems and practice - Aug 14 2023

web general organic and biological chemistry practice exam questions you may use a periodic table and test bank timberlake structures of life 4e pearson chapter 1

organic chemistry quizzes questions answers proprofs - Mar 29 2022

web this organic chemistry practice exams and answers timberlake as one of the most working sellers here will entirely be paired with by the best selections to review

timberlake chemistry questions and answers pdf stage gapinc - Apr 29 2022

web apr 24 2023 organic chemistry is the study of the structure property and reactions of organic compounds compounds that contain carbon trivia is the collection of arcane

organic chemistry practice exams and answers timberlake - Feb 25 2022

web organic chemistry practice exams and answers timberlake 1 organic chemistry practice exams and answers timberlake old organic chemistry exams and keys

organic chemistry practice exams and answers timberlake - Dec 26 2021

web organic chemistry practice exams and answers timberlake pdf pages 3 31 organic chemistry practice exams and answers timberlake pdf upload donald c williamson

general organic and biological chemistry structures of life - Sep 03 2022

web we meet the expense of organic chemistry practice exams and answers timberlake and numerous book collections from fictions to scientific research in any way along with

organic chemistry practice exams and answers timberlake - Aug 02 2022

web find step by step solutions and answers to chemistry an introduction to general organic and biological chemistry 9780134421353 as well as thousands of textbooks

organic chemistry practice tests varsity tutors - Dec 06 2022

web organic chemistry practice exams and answers timberlake general organic and biological chemistry nov 08 2022 note you are purchasing a standalone product

organic chemistry test 2 practice khan academy - Jun 12 2023

web exams section contains exams and their solutions browse course material organic chemistry i menu more info syllabus calendar readings exams exams

download free organic chemistry practice exams and answers - Nov 05 2022

web general organic amp biological chemistry 5e timberlake chapter 15 carbohydrates 15 multiple choice questions a carbohydrate that gives two molecules when it is

organic chemistry practice exams and answers timberlake pdf - Nov 24 2021

chemistry practice exams and answers general organic and - Sep 15 2023

web chemistry practice exams and answers general organic and biological chemistry practice exam questions you may use periodic table and calculator only some of skip

gob practice questions bellevue college - Jul 13 2023

web science organic chemistry essentials class 12 let s test what we learnt organic chemistry test 2 google classroom consider the following reaction identify the

exams organic chemistry i chemistry mit opencourseware - May 11 2023

web organic chemistry i reactions and overview organic i review packet interactive organic reactions very extensive material from org i general topics review rapid

practice exam 1 key pdf organic chemistry i chemistry mit - Oct 16 2023

web organic chemistry i menu more info syllabus calendar assignments exams lecture handouts exams practice exam 1 key pdf description practice exam 1 resource

organic chemistry practice test topnotcher ph - May 31 2022

web practice exam 1 answers to pe1 practice exam 2 answers to pe2 practice exam 3 answers to pe3 pgs1 5 ch141 practice exam iii key b practice

chemistry an introduction to general organic and biological - Jul 01 2022

web this mock up examination is designed to give you practice in answering questions in organic chemistry subject this practice test is consist of 35 multiple choice questions

organic chemistry i practice test questions final exam - Jan 07 2023

web you can start doing this by taking varsity tutors free organic chemistry practice tests our free organic chemistry practice tests are each a selection of 10 to 12 questions

practice examm general organic amp biological - Oct 04 2022

web mar 18 2022 general organic and biological chemistry structures of life timberlake complete test bank exam questions quizzes updated 2022 general organic and

matlab calculating lyapunov exponent le for pendulum using - Aug 02 2022

web sep 12 2018 classical method of lyapunov exponents spectrum estimation for a n th order continuous time smooth dynamical system involves gram schmidt

lyapunov exponent wikipedia - Oct 04 2022

web jan 27 2022 in chapter 5 the numerical calculation of lyapunov exponents le is given where you track the growth of the ellipsoid using the jacobian of the system and gram

largest lyapunov exponent with rosenstein s algorithm - Jan 27 2022

web jan 1 2009 to calculate properly the lyapunov exponents of a system mohammadi 2009 realized a matlab code to perform this kind of analysis it is characterized by the function lyaprosen which arguments

calculation lyapunov exponents for ode file exchange - Sep 03 2022

web dec 21 2022 matlab code for lyapunov exponents of fractional order 21 dec 2022 functions version history 2 discussions 0 august 2022 plot modified to overcome

lyapunov exponents of fractional order systems file exchange - May 11 2023

web sep 10 2023 the matlab code in this contribution is used to determine lyapunov exponent spectrum of fractional order systems fos including three classical

lyapunov spectra from a time series data matlab answers - Dec 06 2022

web in mathematics the lyapunov exponent or lyapunov characteristic exponent of a dynamical system is a quantity that characterizes the rate of separation of infinitesimally

wolf lyapunov exponent estimation from a time series - Feb 25 2022

web for the three dimensional jerk system 2 three lyapunov exponents are esteemed using the wolf algorithm for the system parameters a b c k 1 1 2 625 0 25 the

matlab code for lyapunov exponents of fractional order - Jul 01 2022

web can anyone suggest a code in matlab for lyapunov spectrum i am studying nonlinear dynamics of plasma oscillation in my experimental time series most of the data show

the fastest simplified method of lyapunov exponents spectrum - May 31 2022

web jun 27 2015 the entire lyapunov spectrum for lorenz system in matlab may be obtained with lyapunov m see lyapunov spectrum for known odes python 3 stack overflow - Sep 22 2021

lyaprosen matlab function to calculate lyapunov exponent - Nov 24 2021

web feb 21 2020 the three lyapunov exponents are then given by the averages of the stored lengths i implemented the above explained scheme in python used version 3 7 4 but i

can anyone suggest how to plot lyapunov spectrum of lorenz - Mar 29 2022

web feb 19 2013 reviews 22 discussions 45 divergence of nearest trajectories can be seen on the graph if the linear range of curve is determined code can calculate the

lyapunov spectrum an overview sciencedirect topics - Dec 26 2021

web aug 16 2020 zeng x r eykholt and r a pielke 1991 estimating the lyapunov exponent spectrum from short time series of low precision physical review letters

calculate lyapunov spectrum for lorenz system matlab - Aug 14 2023

web aug 30 2020 calculate lyapunov spectrum for lorenz system learn more about lyapunov exponent matlab and simulink student suite

can anyone suggest a code in matlab for lyapunov spectrum - Apr 29 2022

web aug 14 2019 10 1k downloads updated 14 aug 2019 view license follow download overview functions version history reviews 39 discussions 33 in physica 16d

calculating the entire lyapunov spectra of the lorenz attractor - Jun 12 2023

web e1 e1 t lyapunov exponents e2 e2 t e3 e3 t l1 exp e1 lyapunov numbers l2 exp e2 l3 exp e3 e1 e2 e3 trace e1 e2 e3 l1 l2 l3 the output is given by

lyapunov github topics github - Jan 07 2023

web x dlyap a q solves the discrete time lyapunov equation axat $x \neq 0$ where a and q are n by n matrices the solution x is symmetric when q is symmetric and

estimate lyapunov exponent mathworks - Feb 08 2023

web jun 18 2011 0 hello i am trying to find out lyapunov spectra from a time series data of length not more than 256 i have got no good matlab code for this can anyone please

continuous lyapunov equation solution matlab lyap - Jul 13 2023

web description lyap solves the special and general forms of the lyapunov equation lyapunov equations arise in several areas of control including stability theory and the

lyaprosen matlab function to calculate lyapunov exponent - Oct 24 2021

solve discrete time lyapunov equations matlab dlyap - Nov 05 2022

web mar 18 2004 the alogrithm employed in this m file for determining lyapunov exponents was proposed in a wolf j b swift h l swinney and j a vastano determining

lyapspec zip file exchange matlab central mathworks - Mar 09 2023

web sep $5\ 2023$ all $26\ python\ 9\ matlab\ 6\ c\ 2\ julia\ 2\ c\ 1$ fortran $1\ haxe\ 1$ jupyter notebook $1\ rust\ 1$ evaluate the lyapunov spectrum of a dynamical system

characterize the rate of separation of infinitesimally close - ${\sf Apr}\ 10\ 2023$

web jul 21 2014 $\,$ function le trj x lyapspec fun t x0 r k calculates lyapunov exponents le with gram schmidt ortonormalization at each step of second order solver