

# Ultrasonic Motors Theory And Applications

Ultrasonic waves are sound waves with frequencies above the upper limit of human hearing, typically above 20 kHz. These waves propagate through different media such as liquids, gases, and solids. The term "ultrasonic" applied to sound refers to anything above the frequencies of audible sound, and nominally includes anything over 20,000 Hz. Frequencies used for medical diagnostic ultrasound ...

Ultrasound, or ultrasonography, works on the principle that sound is reflected at different speeds by tissues or substances of different densities. Ultrasound technology has been used medically since ... Dec 6, 2025 · Ultrasonic waves consist of sound energy that is too high-pitched for us to perceive. This inaudible energy is now a powerful tool used across medicine,

industry, and daily life, allowing us to ... Mar 23, 2026 · An ultrasonic transducer is a device used to convert some other type of energy into an ultrasonic vibration. There are several basic types, classified by the energy source and by the ... Define ultrasound and describe its characteristics as a form of energy. Explain the principles of sound wave propagation, including frequency, wavelength, amplitude, and velocity. Describe the ... Ultrasonics refers to sound waves with frequencies above 20 kilohertz, beyond the range of human hearing. This technology has evolved significantly since the 1960s, emerging as a vital branch of ... We are delighted to announce a forthcoming special issue of Ultrasonics, dedicated to the rapidly evolving field of "Ultrasonic-assisted Microfluidics and Streaming". Medical

ultrasound falls into two distinct categories: diagnostic and therapeutic. Diagnostic ultrasound is a non-invasive diagnostic technique used to image inside the body. Ultrasonic devices operate with frequencies from 20 kHz up to several gigahertz. Ultrasound is used in many different fields. Ultrasonic devices are used to detect objects and measure distances. ...

### **Exploring Ultrasonic Waves: Properties and Uses**

*Ultrasound - National Institute of Biomedical Imaging and ...*

*ULTRASONIC Definition & Meaning - Merriam-Webster*

**Ultrasound - Wikipedia**

**Ultrasonics | Journal | ScienceDirect.com by Elsevier**

**Ultrasonics | Physics, Sound Waves & Applications | Britannica**

**Ultrasonic Sound - HyperPhysics**

### **Basic Principles of Ultrasound - Ultrasound Physics and its ... - PALNI**

*Ultrasonics | Physics | Research Starters - EBSCO*

### **What Are Ultrasonic Waves and How Do They Work?**

## **Ultrasonic Motors Theory And Applications**

Welcome to atrium.finalsclub.org, your go-to destination for a vast collection of **Ultrasonic Motors Theory And Applications** PDF eBooks. We are passionate about making the world of literature accessible to everyone, and our platform is designed to provide you with a seamless and enjoyable for Ultrasonic Motors Theory And Applications eBook downloading experience.

At atrium.finalsclub.org, our mission is simple:

*Downloaded from [atrium.finalsclub.org](http://atrium.finalsclub.org)  
on 2025-06-06 by guest*

to democratize knowledge and foster a love for reading Ultrasonic Motors Theory And Applications. We believe that everyone should have access to Ultrasonic Motors Theory And Applications eBooks, spanning various genres, topics, and interests. By offering Ultrasonic Motors Theory And Applications and a rich collection of PDF eBooks, we aim to empower readers to explore, learn, and immerse themselves in the world of literature.

In the vast expanse of digital literature, finding Ultrasonic Motors Theory And Applications sanctuary that delivers on both content and user experience is akin to discovering a hidden gem. Enter [atrium.finalsclub.org](http://atrium.finalsclub.org), Ultrasonic Motors Theory And Applications PDF eBook download haven that beckons readers into a world of literary wonders. In this Ultrasonic Motors Theory And Applications review, we will delve into the intricacies of the platform, exploring its features, content diversity, user interface, and

the overall reading experience it promises.

At the heart of [atrium.finalsclub.org](http://atrium.finalsclub.org) lies a diverse collection that spans genres, catering to the voracious appetite of every reader. From classic novels that have withstood the test of time to contemporary page-turners, the library pulsates with life. The Ultrasonic Motors Theory And Applications of content is evident, offering a dynamic range of PDF eBooks that oscillate between profound narratives and quick literary escapes.

One of the defining features of Ultrasonic Motors Theory And Applications is the orchestration of genres, creating a symphony of reading choices. As you navigate through the Ultrasonic Motors Theory And Applications, you will encounter the perplexity of options — from the structured complexity of science fiction to the rhythmic simplicity of romance. This diversity ensures that every reader, irrespective

of their literary taste, finds Ultrasonic Motors Theory And Applications within the digital shelves.

In the realm of digital literature, burstiness is not just about variety but also the joy of discovery. Ultrasonic Motors Theory And Applications excels in this dance of discoveries. Regular updates ensure that the content landscape is ever-changing, introducing readers to new authors, genres, and perspectives. The unpredictable flow of literary treasures mirrors the burstiness that defines human expression.

An aesthetically pleasing and user-friendly interface serves as the canvas upon which Ultrasonic Motors Theory And Applications paints its literary masterpiece. The website design is a testament to the thoughtful curation of content, offering an experience that is both visually appealing and functionally intuitive. The bursts of color and images harmonize with the

perplexity of literary choices, creating a seamless journey for every visitor.

The download process on Ultrasonic Motors Theory And Applications is a symphony of efficiency. The user is greeted with a straightforward pathway to their chosen eBook. The burstiness in the download speed ensures that the literary delight is almost instantaneous. This seamless process aligns with the human desire for swift and uncomplicated access to the treasures held within the digital library.

A key aspect that distinguishes atrium.finalsclub.org is its commitment to responsible eBook distribution. The platform adheres strictly to copyright laws, ensuring that every download Ultrasonic Motors Theory And Applications is a legal and ethical endeavor. This commitment adds a layer of ethical perplexity, resonating with the conscientious reader who values the integrity of literary creation.

atrium.finalsclub.org doesnt just offer Ultrasonic Motors Theory And Applications; it fosters a community of readers. The platform provides space for users to connect, share their literary explorations, and recommend hidden gems. This interactivity adds a burst of social connection to the reading experience, elevating it beyond a solitary pursuit.

In the grand tapestry of digital literature, atrium.finalsclub.org stands as a vibrant thread that weaves perplexity and burstiness into the reading journey. From the nuanced dance of genres to the swift strokes of the download process, every aspect resonates with the dynamic nature of human expression. Its not just a Ultrasonic Motors Theory And Applications eBook download website; its a digital oasis where literature thrives, and readers embark on a journey filled with delightful surprises.

## **Ultrasonic Motors Theory And Applications**

We take pride in curating an extensive library of Ultrasonic Motors Theory And Applications PDF eBooks, carefully selected to cater to a broad audience. Whether youre a fan of classic literature, contemporary fiction, or specialized non-fiction, youll find something that captivates your imagination.

### User-Friendly Platform

Navigating our website is a breeze. Weve designed the user interface with you in mind, ensuring that you can effortlessly discover Ultrasonic Motors Theory And Applications and download Ultrasonic Motors Theory And Applications eBooks. Our search and categorization features are intuitive, making it easy for you to find Ultrasonic Motors Theory And Applications.

## Legal and Ethical Standards

atrium.finalsclub.org is committed to upholding legal and ethical standards in the world of digital literature. We prioritize the distribution of Ultrasonic Motors Theory And Applications that are either in the public domain, licensed for free distribution, or provided by authors and publishers with the right to share their work. We actively discourage the distribution of copyrighted material without proper authorization.

**Quality:** Each eBook in our collection is carefully vetted to ensure a high standard of quality. We want your reading experience to be enjoyable and free of formatting issues.

**Variety:** We regularly update our library to bring you the latest releases, timeless classics, and hidden gems across genres. There's always something new to discover.

**Community Engagement:** We value our community of readers. Connect with us on social media, share your favorite reads, and be part of a growing community passionate about literature.

## Join Us on the Reading Ultrasonic Motors Theory And Applications

Whether you're an avid reader, a student looking for study materials, or someone exploring the world of eBooks for the first time, atrium.finalsclub.org is here to cater to Ultrasonic Motors Theory And Applications. Join us on this reading journey, and let the pages of our eBooks transport you to new worlds, ideas, and experiences.

We understand the thrill of discovering something new. That's why we regularly update our library, ensuring you have access to Ultrasonic Motors Theory And Applications,

celebrated authors, and hidden literary treasures. With each visit, anticipate fresh possibilities for your reading Ultrasonic Motors Theory And Applications.

Thank you for choosing atrium.finalsclub.org as your trusted source for PDF eBook downloads. Happy reading Ultrasonic Motors Theory And Applications.

## **Ultrasonic Motors Theory And Applications:**

careless whispers carlton stowers cambridge  
igcse business studies fourth edition calculus  
strauss bradley smith solutions calculus and  
vectors 12 nelson solution chapter 8 cahaya  
diatas cahaya cancer can be cured calculus ab  
related rates mini project name sect 2 6 due  
cambridge certificate of proficiency in english 4  
students book with entry test cpe practice tests  
cancion para caminar sobre las aguas cambridge  
movers 2 examination papers from the university  
of cambridge local examinations syndicate carey  
sundberg advanced organic chemistry solution  
manual careless whisper chords carnegie  
learning skills practice cambridge international  
diploma in management learning cambridge ielts  
7 students book with answers examination  
papers from university of cambridge esol  
examinations ielts practice tests by william  
shakespeare Shakespeares hamlet the manga

edition the manga edition cambridge celta  
interview task ittc by fabio gedain the sea there  
are crocodiles based on the true story of  
enaiatollah akbari hardcover card play technique  
or the art of being lucky by victor mollo and nico  
gardener capitolo 3 motore asincrono  
eletrotecnica by the times mind games times  
cryptic crossword book 14 paperback cambridge  
pet exam past papers callan book 3 stage by  
jerry d wilson college physics 4th fourth edition  
carnegie learning inc assignment answers can  
you keep a secret a fear street novel by jim  
collins morten t hansen great by choice  
uncertainty chaos and luck why some thrive  
despite them all cambridge bec 4 vantage  
students book with answers examination papers  
from university of cambridge esol examinations  
bec practice tests cambridge international as  
and a level chemistry revision calculus  
swokowski 6th edition solution cambridge  
advanced learners dictionary by david g  
kleinbaum student solutions manual for

kleinbaums applied regression analysis and other multivariable methods 5th edition paperback car insurance ami calm my anxious heart linda dillow juwimm carte m re gigabyte aorus z370 gaming 7 cowcotland com campbell essential biology fifth edition call center operations management handbook and study icmis handbookstudy carolina for kibera 2016 honor roll cfk calcolatrice olivetti logos 48 ebay by richard t schaefer sociology a brief introduction with connect plus sociology ninth 9th edition campbell biology 8th edition chapter 9 test bank by jan lindhe clinical periodontology and implant dentistry 5th fifth edition caged in winter 1 brighton walsh calculus for biology and medicine 3rd edition solutions online by robert alden psalms volume 1 everymans bible commentary songs of devotion everymans bible commentaries v new edition paperback by way of deception eslhub calculus for biology and medicine 3rd edition solutions manual pdf c6 study guide answers blackboard by doug silsbee

the mindful coach seven roles for facilitating leader development 2nd new and revised edition carotenoids vol 1a isolation and analysis by william stallings computer security principles and practice 3rd edition 3rd edition 2014 08 02 hardcover calculus complete course 8th edition adams answers carolingian economy capital punishment papers by cynthia lightfoot the development of children 7th edition 442012 cambridge certificate in advanced english 2 for updated exam self study pack official examination papers from cambridge esol cae practice tests no 2 cambridge starters 1 answer booklet examination papers from the university of cambridge local examin cardiac cath lab nurse orientation manual canada a nation unfolding ontario edition c ronaldo biography pdf calculus 7th edition stewart solutions calendario enero 2018 para imprimir gratis calculus 8th edition online c how to program 8th edition carpenters union test questions cage of bones brennan and esposito series book 3 c sharp programming

exercises solutions c4c14 sap calculus by  
howard anton 8th edition download by robert l  
boylestad introductory circuit analysis 11th  
edition 11th eleventh edition hardcover calling  
one weeks attract love carrier grade nat cisco by  
kristian stanfill verse 1 calculations for  
molecular biology and biotechnology second  
edition a guide to mathematics in the laboratory  
2e cambia de vida en 90 da as todo lo que  
necesitas para convertir el trading en tu  
profesia3n spanish edition canon eos kiss x3  
calend rio lunar 2018 de fases lunares e eclipses  
by randy lewis lewis randy no greatness without  
goodness how a fathers love changed a company  
and sparked a mov paperback call center  
management on fast forward succeeding in the  
new era of customer relationships cardboard  
gun templates pdf docscrewbanks cards capital  
jeux de cartes yu gi oh vanguard pok mon cache  
level 3 award in supporting children and young  
calculus 7th edition student solutions manual  
stewart cambridge english empower a1 to b2

levels youtube c m y k shabab weekly career  
counseling and development in a global economy  
by jennifer carter over 600 icebreakers games  
hundreds of ice breaker questions team building  
games and warm up activities for your small  
group or team 922011 cambridge english for  
scientists cae practice tests thomson exam  
essentials heinle caramel macchiato calories by  
taylor larimore the bogleheads to investing 2nd  
edition canon dm mv550i e dm mv530i e service  
manual calculus early transcendentals 7th  
edition yonsei solutions caps exam paper in  
maths g12 cambridge igcse mathematics core  
and extended practice book cambridge igcse  
practice book calculus for business economics  
life sciences and cambridge ielts 4 set  
examination papers from university of  
cambridge esol examinations by donileen r  
loseke methodological thinking basic principles  
of social research design 1st first edition  
paperback calculus early transcendentals 7th  
edition solutions calculus single variable 5th

edition larson calculus 8th edition larson  
hostetler edwards solutions cambridge igcse  
physics work answers carranza s clinical  
periodontology 11th edition c programming  
absolute beginners 3rd edition by william g  
zikmund business research methods book only  
8th eighth edition hardcover calculus early  
transcendentals 6th edition cambridge english  
objective first third edition eqshop calculus ab  
examination ii eighth edition solutions  
cambridge english preliminary 8 students book  
pack students book with answers and audio cds  
2 authentic examination papers from cambridge  
english language assessment pet practice tests  
by donald h sanders statistics a first course 6th  
edition canadian business law 5th edition  
calculus chapter 2 test answers carnegie  
learning lesson 4 1 skills practice answers 10th  
calculus early transcendentals 10th edition by  
lori a smolin mary b grosvenor nutrition science  
and applications with booklet package second  
2nd 2e edition textbook non kindle hardcover

calculus by howard anton 5th edition solution  
free canadian organizational behavior 8th  
edition capri c est fini by lee g bolman reframing  
organizations artistry choice and leadership 5th  
edition carry on mr bowditch skynn cambridge  
checkpoints vce chemistry unit 4 2005 carlos  
rivera recuerdame de coco acordes d canciones  
by jeff jeff madura madura financial markets and  
institutions abridged edition with stock trak  
coupon ninth 9th edition by joseph c palais fiber  
optic communications 5th fifth campaign craft  
the strategies tactics and art of political  
campaign management 4th edition praeger  
studies in political communication c  
programming exercises with solutions by gerald  
keller statistics for management and economics  
abbreviated edition with cd rom eighth 8th  
edition carl jung alchemy by john baynes ms phd  
marek h dominiczak mb phd mrcpath medical  
biochemistry with student consult online access  
third 3rd edition capacitors for motor  
applications elcomp campbell ap biology 9th

edition notes c21 accounting advanced reinforcement activity 1 answers cafe con aroma de mujer capitulo 1 2 3 4 5 6 7 8 9 10 11 by neuromusculoskeletal examination and assessment a handbook for therapists with pageburst access 4e physiotherapy essentials fourth 4th edition caesar workbook answers by edwin j elton modern portfolio theory and investment analysis 9th edition cardcaptor sakura clear card kodansha comics caring enough to lead how reflective practice leads to moral leadership calculus one several variables solutions manual pdf cambridge latin course 2 student study book answer key cambridge key english test 1with answers by steven chapra applied numerical methods wmatlab for engineers scientists third 3rd edition calculus howard anton 5th edition by ricky w griffin management available titles coursemate 10th edition cambridge vocabulary cane and rush seating by night in chile mirken cambridge advanced learner s dictionary 4th edition by jack

kerouac on the road penguin 20th century classics 1221990 calculus 8th edition larson hostetler edwards online by h g wells camc exam questions slibforme cambridge vocabulary for ielts advanced band 65 with answers and audio cd cambridge english cap certification study camus albert strainul campaigns and elections american style transforming american politics 4th four edition by thurber james a nelson candice j 2013 paperback by david mills physics for scientists and engineers student solutions vol 1 6e cartas de amor mensagenscomamor com by jd joel s moskowitz the 16 solution how to get high interest rates in a low interest world with tax lien certificates 2 rev upd cabasse auditorium manual calculus 4th edition by michael spivak ghbusinessonline calculus concepts an applied approach to the mathematics of change california institute of technology caltech materials science c sharp programming projects and solutions sinfulore cambridge advanced learners dictionary third

edition calculus of a single variable 9th edition  
calibration of dissolution tester ministry of  
public health cambridge past exam papers a  
level mathematics by rodney d phoenix david r  
cagna charles f defreest stewart's clinical  
removable partial prosthodontics phoenix  
stewart's clinical removable partial  
prosthodontics fourth 4th edition cambridge  
university press 978 0 521 10210 0 a by john c  
hull students solutions manual and study guide  
for fundamentals of futures and options markets  
8th edition paperback calculus graphical  
numerical algebraic 3rd edition online textbook  
cambridge igcse environmental management  
campbell biology edition 9 korean version  
calculus early transcendentals jon rogawski 2nd  
edition cambridge latin course stage 26 answers  
cadworx carl paoli freestyle pdf by holly m  
barker bravo for the marshallese regaining  
control in a post nuclear post colonial world 1st  
first edition camicie nere la milizia volontaria  
per la sicurezza nazionale 1935 45 cambridge o

level mathematics volume 1 cambridge  
international examinations by richard mann  
cartridges of the world a complete and  
illustrated reference for over 1500 cartridges  
13th edition 92612 cambering steel beams aisc  
cambridge latin course unit 4 student text north  
american edition north american cambridge latin  
course cable cowboy john malone and the rise of  
the modern cable business by robichaux mark  
1st edition 2005 paperback carrier vector 1950  
by florence p kendall bs pt fapta muscles testing  
and function with posture and pain includes a  
bonus primal anatomy cd rom 5th edition 12505  
candi murca air terjun seribu angsa 2 langit  
kresna hariadi cabinet medical tulcea tomograf  
ecograf mamograf mercado cairo trilogy palace  
walk palace of desire sugar street calculus with  
applications 10th edition by lial greenwell and  
ritchey calculus early transcendentals 8th  
edition pinterest calculus concepts and  
applications solutions manual by cambridge  
primary science stage 4 teacher s resource book

with cd rom canon ir 3245 service manual  
capstone exam past papers cambridge ielts 7  
self study pack students book with answers and  
audio cds 2 examination papers from university  
of cambridge esol examinations ielts practice  
tests cambridge business english certificate  
exam papers forecast advanced latest version  
with mp3 cd 1 paperback c for engineers  
scientists antiqore cambridge grammar for ielts  
students book with answers and audio cd  
cambridge books for cambridge exams byung  
chul han cambridge igcse chemistry coursebook  
third edition car flipping 101 how to quit your  
job make a fortune selling used cars car flipping  
buying cars selling cars flipping cars for profit  
side business how to flip cars how to sell used  
cars cabasse auditorium tronic campbell and  
farrell biochemistry 7th edition by keith l moore  
clinically oriented anatomy fifth edition 5e c v s  
subrahmanyam wnloading e books carranzas  
clinical periodontology expert consult text with  
continually updated online reference 11e

newman carranzas clinical periodontology canon  
lbp 2900 lbp 3000 laser printer service cado  
cado caps agricultural science study guide grade  
10 cambridge grammar for first certificate  
students book without answers grammar  
reference and practice cambridge books for  
cambridge exams cambridge cae past papers  
with answers cahier technique n 152 schneider  
electric calibration of dissolution test apparatus  
canon eos rebel t2i eos 550d digital camera  
cheatsheet canon t2i us model name eos 550d  
international model name caries management  
science and clinical practice calculus 10th  
edition solution calculus of a single variable 7th  
edition solutions manual campbell biology ninth  
edition online calculus with applications brief  
version books a la carte plus mmlmsl student  
access code card for ad hoc valuepacks 10th  
edition carponizer erotic carp fishing calendar  
2016 angling calendar english spanish french  
italian german and russian edition english  
spanish gujarati bengali and korean edition

capitulo 2 vocabulario 1 answers shanhuore  
canon solution menu software download  
cambridge international as and a level business  
teachers resource cd rom cambridge  
international examinations cambridge certificate  
of proficiency in english 4 self study pack cpe  
practice tests campbell biology 9th edition test  
questions c database development c mo  
descargar autodata gratis en 2017 descargar  
autodata calendario interviu 2015 a hq calculus  
and its applications 10th edition ebook calculus  
with applications 10th edition pearson dabesi by  
kirsty mcconnell piers jetties and related  
structures exposed to waves guidelines for  
hydraulic loading paperback calculus robert t  
smith solutions camper service deba  
bedrijfswagens b v iveco cambridge english  
objective first third edition loany by rashid  
khalidi resurrecting empire western footprints  
and americas perilous path in the middle east  
1st edition 31605 camera lens guide for  
beginners c language programming exercises

answers and skills training 2nd edition new  
century vocational computer application  
technology series planning materialschinese  
edition calculus roller coaster project answers  
cambridge primary checkpoint practice test  
papers english cambridge bec preliminary 3  
students book with answers bec practice tests  
caporetto diario di guerra maggio dicembre  
1917 byzantine pottery cambridge illustrated  
atlas of warfare renaissance to revolution 1492  
1792 1st published calculus for business  
economics and the social and life sciences 10th  
brief edition careless whisper instrumental  
music calculus anton bivens davis 7th edition  
hcloudore calculus complete course 8th edition  
adams carisma workshop manual calculus for  
business economics life sciences and social  
sciences 11th edition cambridge certificate in  
advanced english 2 for updated exam students  
book without answers official examination  
papers from university of cambridge esol  
examinations no 2 cae practice tests by eric

carter visual studio tools for office 2007 vsto for  
excel word and outlook microsoft net  
development series 2nd second edition cala ibi  
nukila amal calculus early transcendental zill  
solutions campbell biology chapter 10 test bank  
by jake barton i dreamed i was a video game the  
car engine parts names and pictures bianfuore  
canoecraft an illustrated to fine woodstrip  
construction career planning and development  
e2020 answers campbell biology 4th edition  
chapter 1 test bank cambridge checkpoint  
science revision for the cambridge secondary 1  
test capm exam simplified 5th edition capm  
exam prep 2013 and pmp exam prep 2013  
seriesaligned to pmbok guide 5th edition carrier  
pro dialog plus manual 30gx camus albert la  
caida cadworx manual calculus for biology and  
medicine 3rd edition calculus for life sciences  
series by george graves ib economics paper 3  
numerical questions higher level practice  
questions with answers osc ib revi spiral bound  
cambridge young learners english tests movers 1

answer booklet examination papers from the  
university of cambridge esol examinations  
calculus early transcendentals 5th edition larson  
solutions cadence spectre model library tutorial  
step 1 edit cds canon eos 7d mark ii from  
snapshots to great shots c concurrency in action  
practical multithreading carroll b w ostlie d a an  
introduction to modern cartas para julieta livro  
carrier chiller manual 19xr admart c id visual  
identity and branding for the arts campbell  
reece biology 8th edition test bank canon in d  
easy piano sheet music cambridge o level  
business studies 7115 c multithreaded and  
parallel programming cape accounting unit 1  
answers cabin crew interview questions answers  
the flight attendant interview just got even  
easier paperback common calculus 7th edition  
anton solution manual by yunus cengel heat and  
mass transfer fundamentals and applications 5th  
edition 2014 04 19 hardcover capm exam prep  
second edition rita mulcahy campbell biology 9th  
edition powerpoint slides chapter18 cambridge o

level mathematics syllabus documents by  
michael golemesky level zero heroes the story  
of us marine special operations in bala murghab  
afghanistan cambridge vce accounting units 1  
and 2 workbook calculo de instalaciones  
hidraulicas y sanitarias residenciales y  
comerciales calculation of water and sanitation  
facilities residential and commercial spanish  
edition calculations using standard molar  
volume cambridge english idioms in use

advanced google drive cambridge international  
as level and a level physics teachers resource cd  
rom cambridge international examinations  
career aptitude and selection tests anamcaraore  
carnegie learning lesson 5 1 skills practice  
answer key calculus single variable 5th edition  
wileyplus cape accounting past papers unit 2 by  
the river piedra i sat down and wept paulo  
coelho caps business studies grade 12 2014