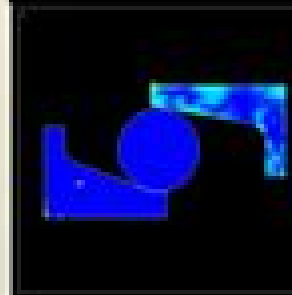
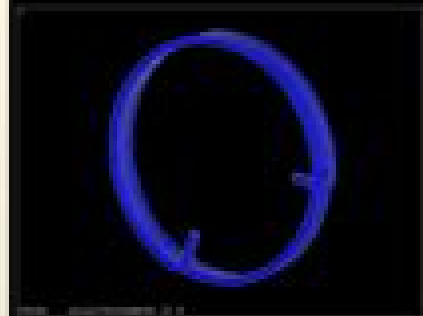
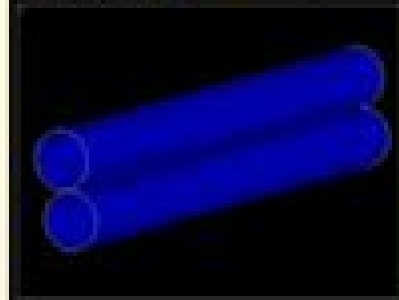
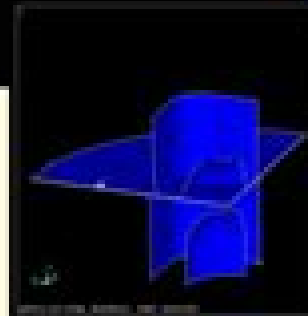


# Capabilities Overview



- Rigid-flex
  - Bodies of vastly different stiffness
  - Steel against rubber seals
- Flex-flex
  - Bodies of comparable stiffness
  - Metal contacting metal
- Self contact
  - Body folds over itself
  - Column buckling
- Large sliding with friction for all



# Contact Analysis For Seals Using Ansys

**David Jin, Sally Lin**



## Contact Analysis For Seals Using Ansys:

*Advances in Mechanical and Electronic Engineering* David Jin, Sally Lin, 2012-06-28 This book includes the volume 1 of the proceedings of the 2012 International Conference on Mechanical and Electronic Engineering ICMEE2012 held at June 23 24 2012 in Hefei China The conference provided a rare opportunity to bring together worldwide researchers who are working in the fields This volume 1 is focusing on Mechanical Engineering and Automation as well as Vehicle Engineering and Technology

**Electrical Engineering And Automation - Proceedings Of The International Conference On Electrical Engineering And Automation (Eea2016)** Xiaoxing Zhang, 2017-04-12 2016 International Conference on Electrical Engineering and Automation EEA2016 was held in Hong Kong China from June 24th 26th 2016 EEA2016 has provided a platform for leading academic scientists researchers scholars and students around the world to get together to compare notes and share their results and findings in areas of Electronics Engineering and Electrical Engineering Materials and Mechanical Engineering Control and Automation Modeling and Simulation Testing and Imaging Robotics Actuating and Sensing The conference had received a total of 445 submissions However after peer review by the Technical Program Committee only 129 were selected to be included in this conference proceedings based on their originality ability to test ideas and contribution to the understanding and advancement in Electronics and Electrical Engineering

**Material Engineering And Mechanical Engineering - Proceedings Of Material Engineering And Mechanical Engineering (Meme2015)** Huiyu Zhou, 2016-05-26 The aim of proceeding of International Conference on Material Engineering and Mechanical Engineering MEME2015 is to provide a platform for researchers engineers and academicians as well as industrial professionals to present their research results and applications developed for Material Engineering and Mechanical Engineering It provides an opportunities for the delegates to exchange new ideas and application experiences to enhance business or research relations and to find global partners for future collaboration The object is to strengthen national academic exchanges and cooperation in the field promote the rapid development of machinery materials science and engineering application effectively improve China s machinery materials science and engineering applications in the field of academic status and international influence

1994 ANSYS Conference Proceedings David Dietrich, 1994 *Advanced Methods of Continuum Mechanics for Materials and Structures* Konstantin Naumenko, Marcus Aßmus, 2016-05-12 This volume presents a collection of contributions on advanced approaches of continuum mechanics which were written to celebrate the 60th birthday of Prof Holm Altenbach The contributions are on topics related to the theoretical foundations for the analysis of rods shells and three dimensional solids formulation of constitutive models for advanced materials as well as development of new approaches to the modeling of damage and fractures

*The Proceedings of the 19th Annual Conference of China Electrotechnical Society* Qingxin Yang, Zhaohong Bie, Xu Yang, 2025-01-06 This book compiles exceptional papers presented at the 19th Annual Conference of the China Electrotechnical Society CES held in Xi an China

from September 20 to 22 2024 It encompasses a wide range of topics including electrical technology power systems electromagnetic emission technology and electrical equipment The book highlights innovative solutions that integrate concepts from various disciplines making it a valuable resource for researchers engineers practitioners research students and interested readers

**Advancements in Materials Processing Technology, Volume 1** Rina Sahu,Ranjit Prasad,K. L. Sahoo,2024-09-02 This book encompasses peer reviewed proceedings of the International Conference on Advancement in Materials Processing Technology AMPT 2023 The recent developments in the domain of materials and mineral processing are briefly discussed Keen attention has been paid toward techniques involving sustainable development incorporating green building materials aiming toward clean technology and circular economy A range of durable energy efficient and advanced materials encompassing nano materials bio materials composite smart multifunctional functionally graded energy materials etc are analyzed and presented The topics covered also include sustainable coal use modeling and simulation 3D printing and high entropy alloys The book also discusses various properties and performance attributes of advanced materials including their durability workability and carbon footprint The book serves as a valuable platform for students researchers and professionals interested to delve deeper into recent advancements in Material Science and Engineering

Manufacturing Science and Technology, AEMT2011 Peng Cheng Wang,Li Qun Ai,Yun Gang Li,Xiao Ming Sang,Jing Long Bu,2011-07-04 Selected peer reviewed papers from the 2011 International Conference on Advanced Engineering Materials and Technology AEMT 2011 July 29 31 2011 Sanya China

**Proceedings of Mechanical Engineering Research Day 2018** Mohd Fadzi Bin Abdollah,2018-05-16 This e book is a compilation of papers presented at the 5th Mechanical Engineering Research Day MERD 18 Kampus Teknologi UTeM Melaka Malaysia on 03 May 2018

**Automotive, Mechanical and Electrical Engineering** Lin Liu,2017-06-26 The 2016 International Conference on Automotive Engineering Mechanical and Electrical Engineering AEMEE 2016 was held December 9 11 2016 in Hong Kong China AEMEE 2016 was a platform for presenting excellent results and new challenges facing the fields of automotive mechanical and electrical engineering Automotive Mechanical and Electrical Engineering brings together a wide range of contributions from industry and governmental experts and academics experienced in engineering design and research Papers have been categorized under the following headings Automotive Engineering and Rail Transit Engineering Mechanical Manufacturing Process Engineering Network Communications and Applied Information Technologies Technologies in Energy and Power Cell Engines Generators Electric Vehicles System Test and Diagnosis Monitoring and Identification Video and Image Processing Applied and Computational Mathematics Methods Algorithms and Optimization Technologies in Electrical and Electronic Control and Automation Industrial Production Manufacturing Management and Logistics

**Advanced Manufacturing and Information Engineering, Intelligent Instrumentation and Industry Development** J.Z. Ma,Fang Shao,L.P. Hu,J. Liu,D.M. Chen,2014-08-11 Selected peer reviewed papers from the 2014 2nd International Conference on Precision Mechanical

Instruments and Measurement Technology ICPMIMT 2014 May 30 31 2014 Chongqing China **SPE Drilling & Completion** ,2009 Advances in Manufacturing Science and Engineering V Jing Tao Han,Zheng Yi Jiang,Xiang Hua Liu,2014-06-06 Selected peer reviewed papers from the 5th International Conference on Manufacturing Science and Engineering ICMSE 2014 April 19 20 2014 Shanghai China Fluid Sealing B. Nau,1992-04-30 With this 13th in the series of International Conferences on Fluid Sealing these meetings move into their third decade To be precise it is now thirty one years since BHRA as it then was convened with no little trepidation the first of these Conferences in Ashford England The massive set of proceedings now occupies a considerable length of shelf in my bookcase and represents a tremendous technological resource over 400 separate papers It is interesting that I seem to refer most often to the earlier volumes probably most of all to the very first Perhaps this is because this volume marks the beginning of historic times AD 0 for fluid sealing technology There were of course important publications in this field even before 1961 A notable example is the seminal work of my predecessor at BHRA Dr D F Denny whose researches on reciprocating fluid power seals The sealing mechanism of flexible packings was published in 1947 by a long since defunct government department the Ministry of Supply Another notable source is the Proceedings of the Institution of Mechanical Engineers 1957 Conference on Lubrication and Wear However there is more to fluid sealing technology than just tribology as we must now call lubrication and wear interest in static seals has really come to the fore in recent years witness the large batch of papers dealing with this subject in the present Conference **Machine Design** ,1999 **Annual Index/abstracts of SAE Technical Papers** ,1998 Analysis of Bolted Joints, 2000 K. H. Hsu,Toshiyuki Sawa,2000 Contains 18 papers presented at technical sessions on the analysis of bolted joints held during the July 2000 ASME conference The major areas of discussion are gasket characteristics metal to metal contact flanges improved design and method and finite element analysis Topics include flow behavi Analysis of Bolted Joints ,2000 International Rubber Conference 1997 ,1997 **Winter Annual Meeting** American Society of Mechanical Engineers,1997

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