

Microstructure Modeling of 3rd Generation Disk Alloy (Paperback)



Microstructure Modeling of
3rd Generation Disk Alloy

NASA Technical Reports Server
(NTRS), Herng-Jeng Jou

Filesize: 3.71 MB

Reviews

*Complete guide for ebook fans. Better then never, though i am quite late in start reading this one. Your life span will likely be convert when you full reading this ebook.
(Dr. Teagan Beahan Sr.)*

MICROSTRUCTURE MODELING OF 3RD GENERATION DISK ALLOY (PAPERBACK)

[DOWNLOAD](#)

To download **Microstructure Modeling of 3rd Generation Disk Alloy (Paperback)** eBook, please access the button below and download the document or get access to additional information that are related to MICROSTRUCTURE MODELING OF 3RD GENERATION DISK ALLOY (PAPERBACK) book.

Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.The objective of this initiative, funded by NASA's Aviation Safety Program, is to model, validate, and predict, with high fidelity, the microstructural evolution of third-generation high-refractory Ni-based disc superalloys during heat treating and service conditions. This initiative is a natural extension of the DARPA-AIM (Accelerated Insertion of Materials) initiative with GE/Pratt-Whitney and with other process simulation tools. Strong collaboration with the NASA Glenn Research Center (GRC) is a key component of this initiative and the focus of this program is on industrially relevant disk alloys and heat treatment processes identified by GRC. Employing QuesTek's Computational Materials Dynamics technology and PrecipiCalc precipitation simulator, physics-based models are being used to achieve high predictive accuracy and precision. Combining these models with experimental data and probabilistic analysis, virtual alloy design can be performed. The predicted microstructures can be optimized to promote desirable features and concurrently eliminate nondesirable phases that can limit the reliability and durability of the alloys. The well-calibrated and well-integrated software tools that are being applied under the proposed program will help gas turbine disk alloy manufacturers, processing facilities, and NASA, to efficiently and effectively improve the performance of current and future disk materials.



- [Read Microstructure Modeling of 3rd Generation Disk Alloy \(Paperback\) Online](#)
- [Download PDF Microstructure Modeling of 3rd Generation Disk Alloy \(Paperback\)](#)
- [Download ePUB Microstructure Modeling of 3rd Generation Disk Alloy \(Paperback\)](#)

Related PDFs



[PDF] Symphony No.2 Little Russian (1880 Version), Op.17: Study Score (Paperback)

Access the web link beneath to download and read "Symphony No.2 Little Russian (1880 Version), Op.17: Study Score (Paperback)" PDF file.

[Download ePub »](#)



[PDF] Ohio Court Rules 2012, Government of Bench Bar (Paperback)

Access the web link beneath to download and read "Ohio Court Rules 2012, Government of Bench Bar (Paperback)" PDF file.

[Download ePub »](#)



[PDF] Ohio Court Rules 2012, Practice Procedure (Paperback)

Access the web link beneath to download and read "Ohio Court Rules 2012, Practice Procedure (Paperback)" PDF file.

[Download ePub »](#)



[PDF] Ohio Court Rules 2013, Practice Procedure (Paperback)

Access the web link beneath to download and read "Ohio Court Rules 2013, Practice Procedure (Paperback)" PDF file.

[Download ePub »](#)



[PDF] Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel's System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers (Paperback)

Access the web link beneath to download and read "Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel's System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers (Paperback)" PDF file.

[Download ePub »](#)



[PDF] Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625) (Paperback)

Access the web link beneath to download and read "Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625) (Paperback)" PDF file.

[Download ePub »](#)



[PDF] Froebel s Occupations (Paperback)

Click the web link under to download "Froebel s Occupations (Paperback)" PDF document.

[Save ePub »](#)



[PDF] Firelight Stories; Folk Tales Retold for Kindergarten, School and Home (Paperback)

Click the web link under to download "Firelight Stories; Folk Tales Retold for Kindergarten, School and Home (Paperback)" PDF document.

[Save ePub »](#)



[PDF] The Voyagers Series - Europe: A New Multi-Media Adventure Book 1 (Paperback)

Click the web link under to download "The Voyagers Series - Europe: A New Multi-Media Adventure Book 1 (Paperback)" PDF document.

[Save ePub »](#)



[PDF] THE Key to My Children Series: Evan s Eyebrows Say Yes (Paperback)

Click the web link under to download "THE Key to My Children Series: Evan s Eyebrows Say Yes (Paperback)" PDF document.

[Save ePub »](#)



[PDF] Ohio Court Rules 2015, Practice Procedure (Paperback)

Click the web link under to download "Ohio Court Rules 2015, Practice Procedure (Paperback)" PDF document.

[Save ePub »](#)



[PDF] Trace and Write Alphabets and Sentences for Beginning Writers (Paperback)

Click the web link under to download "Trace and Write Alphabets and Sentences for Beginning Writers (Paperback)" PDF document.

[Save ePub »](#)