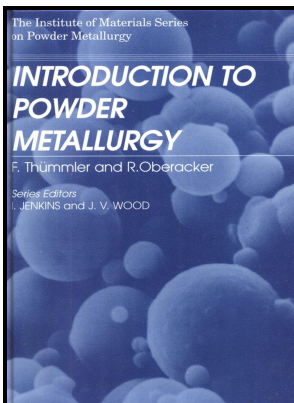


# Mathematical relations in particulate materials processing - ceramics, powder metals, cermets, carbides, hard materials, and minerals

Wiley - Rapid Solidification: Selective Laser Melting of AlSi10Mg



Description: -

-

China -- Commerce

Powder metallurgy -- Mathematical models

Powder metallurgy -- Handbooks, manuals, etcMathematical relations in particulate materials processing - ceramics, powder metals, cermets, carbides, hard materials, and minerals

-Mathematical relations in particulate materials processing - ceramics, powder metals, cermets, carbides, hard materials, and minerals

Notes: Includes bibliographical references and index.

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Tags: #Handbook #Of#Mathematical #Relations #In #Particulate #Materials #Processing #PDF #Book

**German R.M., Park S.J. Handbook of mathematical relations in particulate materials processing: ceramics, powder metals, cermets, carbides, hard materials, and minerals [PDF]**

The only handbook of mathematical relations with a focus on particulate materials processing The National Science Foundation estimates that over 35% of materials-related funding is now directed toward modeling.

## Effect of nano

This one-of-a-kind handbook gives readers the relevant mathematical relations needed to model behavior, generate computer simulations, analyze experiment data, and quantify physical and chemical phenomena commonly found in particulate materials processing. Moreover, this paper shows the great potential for further investigations and innovation in the field of powder injection molding using nano-sized powders.

## Numerical Modeling of the Microstructure of Ceramic

In many cases, the governing equations are the same but the terms are material-specific. Quasi-3-dimensional Pressure-governing Equation for Powder Injection Molding with Slip-velocity Model See Pressure-governing Equation in 2. Inhibited Grain Growth See Zener Relation.

## Rapid Solidification: Selective Laser Melting of AlSi10Mg

Terminal Neck Size See Neck Growth Limited by Grain Growth. Temperature Dependence See Arrhenius Relation.

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