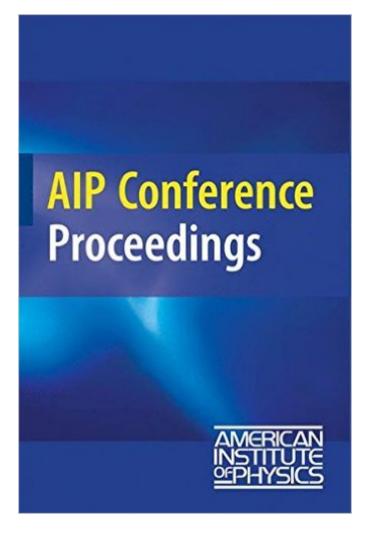
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LES And DNS Of Ignition Process And Complex Structure Flames With Local Extinction (AIP Conference Proceedings / Mathematical And Statistical Physics)





Synopsis

The Workshop proceedings cover recent models of turbulence/combustion interaction applicable to ignition/extinction phenomena. These are precisely validated experimentally in academic set-ups with simple geometry. The theory and numerical implementation of Conditional Moment Closure and Eulerian Stochastic Field approaches are discussed in the context of Large-Eddy Simulation, with exemplary application to ignition modeling. In addition, te methodology proposed for the industrial design of combustion systems in aeroengines is presented.

Book Information

Series: AIP Conference Proceedings / Mathematical and Statistical Physics (Book 1190) Paperback: 158 pages Publisher: American Institute of Physics; 2009 edition (December 21, 2009) Language: English ISBN-10: 0735407266 ISBN-13: 978-0735407268 Product Dimensions: 6.3 x 0.4 x 9.2 inches Shipping Weight: 8.8 ounces (View shipping rates and policies) Average Customer Review: Be the first to review this item Best Sellers Rank: #12,190,878 in Books (See Top 100 in Books) #85 in Books > Computers & Technology > Operating Systems > Unix > DNS & Bind #721 in Books > Engineering & Transportation > Engineering > Aerospace > Propulsion Technology #1067 in Books > Engineering & Transportation > Automotive > Repair & Maintenance > Testing & Certification

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