

# Material Modeling of Anisotropic Sheet Metals



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東京農工大学 小金井キャンパス 6号館 5階 501セミナー室  
Room 501., 5th Fl., Building 6, Koganei Campus TUAT

言語 / 英語 Language / English

Forming, particularly of sheet materials, is a complex process, which requires numerical simulations for faster and cheaper optimization. For this purpose, a constitutive model, which accounts for plastic anisotropy, is essential. In this seminar, the flow theory of plasticity is briefly reviewed. Next, stress tensor invariants are discussed because they play an important role for the expression of isotropic and anisotropic yield functions. Moreover, a number of yield conditions for isotropic and anisotropic materials will be discussed. Finally, I will close the seminar with a short discussion.

■主催 / Organized By

グローバルイノベーション研究院 エネルギー分野 小笠原チーム  
Institute of Global Innovation Research  
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どなたでも、ご聴講いただけます。  
Everyone is welcome to attend.

