

A. 期刊論文

A1. Char, M.I., Chang, F. P. and Tai, B. C. (2007) " Estimation of an unknown distributed heat source in the inverse heat conduction problem" , Journal of the Chinese Society of Mechanical Engineers, (accepted, EI) (賈明益,張福平,戴伯臣)

A2. Char, M. I., and Chen, C. C. (2003) "Effect of a Non-UniformTemperature Gradient on the Onset of Oscillatory Benard-Marangoni convection of an Electrically Conducting Liquid in a Magnetic Field", Int. J. Eng. Sci. Vol.41, pp.1711-1727. (SCI) (賈明益,陳建俊)

A3. Char, M. I., and Chen, C. C. (2003) "Effects of Non-UniformTemperature Gradients on the Onset of Oscillatory Marangoni convection in a Magnetic Field" , Acta Mechanica, Vol.161, pp.17-30. (SCI) (賈明益,陳建俊)

A4. Char, M. I., and Lin, J. D. (2001) "Conjugate Film Condensation

and Natural Convection between Two Porous Media Separated by a Vertical Plate", *Acta Mechanica*, Vol.148, pp.1-15. (SCI) (賈明益,林金典)

A5. Char, M. I., Lin, J. D., and Chen, H. T. (2001) "Conjugate Mixed Convection Laminar Non-Darcy Film Condensation along a Vertical Plate in a Porous Medium", *Int. J. Eng. Sci.* Vol.39, pp.897-912. (SCI) (賈明益,林金典,陳寒濤)

A6. Char, M. I., and Chen, C. C. (1999) "Influence of Viscosity Variation on the Stationary Benard-Marangoni Instability with a Boundary Slab of Finite Conductivity", *Acta Mechanica*, Vol. 135, pp. 181-198. (SC) (賈明益,陳俊傑)

A7. Char, M. I., and Hsu, Y. H. (1998) "Computation of Buoyancy Driven Flow in Eccentric Centrifugal Annulus with a Non-Orthogonal Collocated Finite-Volume Algorithm", *Int. J. Numer. Methods Fluids*, Vol. 26, pp. 323-343. (SCI) (明益,徐遠雄)

A8. Char, M. I., and Hsu, Y. H. (1998) "Numerical Prediction of Turbulent

Mixed Convection in a Concentric Horizontal Rotating Annulus with Low-Re Two-Equation Models", *Int. J. Heat Mass Transfer*, Vol. 41, No. 12, pp. 1633-1643. (SCI) (賈明益,徐遠雄)

A9. Char, M. I., and Hsu, Y. H. (1998) "Comparative Analysis of Linear and Non-linear Low-Reynolds Number Eddy-Viscosity Models to Turbulent Natural Convection in Horizontal Cylindrical Annuli", *Numerical Heat Transfer, Part A: Applications*, Vol. 33, pp. 191-206. (SCI) (賈明益,徐遠雄)

A10. Char, M. I., and Lee, G. C. (1998) "Maximum Density Effects on Natural Convection in a Vertical Annulus Filled with a Non-Darcy Porous Medium", *Acta Mechanica*, Vol. 128, pp. 217-231. (SCI) (賈明益,李桂春)

A11. Char, M. I., and Lee, G. C. (1998) "Maximum Density Effects on Natural Convection of Micropolar Fluids Between Horizontal Eccentric Cylinders", *Int. J. Eng. Sci.*, Vol. 36, No. 2, pp. 157-169. (SCI) (賈明益,李桂春)

A12. Char, M. I., and Chen, C. C. (1997) "Onset of Stationary Benard-

Marangoni Convection in a Fluid Layer with Variable Surface Tension and Viscosity", J. of Physics D: Applied Physics, Vol. 30, No.24, pp. 3286-3295. (SCI) (賈明益,陳俊傑)

A13. Char, M. I., and Chang, C. L. (1997) "Effect of Wall Conduction on Natural Convection Flow of Micropolar Fluids along a Flat Plate", Int. J. Heat Mass Transfer, Vol. 40, No. 15, pp. 3641-3652. (SCI) (賈明益,張振龍)

A14. Char, M. I., Chiang, K. T., and Jou, J. J. (1997) "Oscillatory Instability Analysis of Benard-Marangoni Convection in a Rotating Fluid with Internal Heat Generation", Int. J. Heat Mass Transfer, Vol. 40, No. 4, pp. 857-867. (SC) (賈明益,江可達,周忠志)

B. 研討會論文

B1. Char, M. I. (2002) "A Study of Nonlinear Dynamic Behavior Simulations on Liquid Phase Epitaxy System (1)", The 17th National Conference on Mechanical Engineering, Huwei, Taiwan. (賈明益)

B2. Char, M. I., and Lin, J. D. (2001) "Effect of Wall Conduction on Mixed Convection non-Darcy Film Condensation along a Vertical Plate in a Porous Medium", The 17th National Conference on Mechanical Engineering, Kaohsiung, Taiwan. (賈明益,林金典)

B3. Char, M. I., and Chang, C. L. (1996) "Effect of Wall Conduction on National Convection Flow of Micropolar Fluids along a Flat Plate", 4th National Thermal-Fluids Engineering Conference, Tainan, Taiwan. (賈明益,張振龍)

C. 專書、技術報告等

C1. 微管道中週期性電場與壓力場誘發電滲流之熱流特性分析，國科會研究計畫報告 (NSC 94 - 2212 - E005 - 014) · 興大

C2. 液相磊晶薄膜系統之非線性動態行為模擬(III)，國科會研究計畫報告 (NSC92-2212-E005-006) · 興大

C3. 液相磊晶薄膜系統之非線性動態行為模擬(II)，國科會研究計畫報告

(NSC91-2212-E005-021) , 興大

C4. 液相磊晶薄膜系統之非線性動態行為模擬(I) , 國科會研究計畫報告

(NSC90-2212-E005-028) , 興大

C5. 旋轉塗佈過程的動態行為研究 (2/2) , 國科會研究計畫報告(NSC89-

2115-M005-012) , 興大

C6. 旋轉塗佈過程的動態行為研究 (1/2) , 國科會研究計畫報告(NSC89-

2115-M005-002) , 興大

C7. 多孔性介質中非達西薄膜冷凝與自然對流系統的共軛熱傳研究 , 國科會研

究計畫報告 (NSC88-2115-M005-002) , 興大

C8. 具可變形自由液面之變黏性流體層的浮力與表面張力穩定性分析,國科會研

究計劃報告 (NSC-88-2212-E-005-009),興大

C9. 非達西效應對低溫水在垂直圓柱套管間之自然對流研究 , 國科會研究計畫

報告 (NSC87-2115-M005-002) , 興大

C10. 最大密度效應對微極流體在水平偏心圓柱套管間之自然對流研究,國科會

研 究計劃報告 (NSC-86-2115-M-005-005),興大