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204. S. Costanzo, G. Ianniruberto, G. Marrucci, D. Vlassopoulos  
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214. E. Moghimi, I. Chubak, A. Statt, M. P. Howard, D. Founta, G. Polymeropoulos, K. Ntetsikas, N. Hadjichristidis, A. Z. Panagiotopoulos, C. N. Likos, and D. Vlassopoulos,  
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217. D. Parisi, Y. Ruan, G. Ochbaum, K. S. Sillmore, L. L. Cullari, C.-Y. Liu, R. Bitton, O. Regev, J. W. Swan, B. Loppinet, and D. Vlassopoulos,  
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### **Chapters in Books**

1. G. Fytas, K. Chrissopoulou, S. H. Anastasiadis, D. Vlassopoulos, and K. Karatasos, "Photon Correlation Spectroscopy of Interactive Polymer Systems", *NATO ASI, Light Scattering and Photon Correlation Spectroscopy* (E. R. Pike and J. B. Abbiss, eds.), pp. 131-140, Kluwer Academic Publishers, The Netherlands (1997).
2. D. Vlassopoulos, and S. G. Hatzikiriakos, "Rheology of Partially Miscible Polymer Blends Across the Phase Boundary", *Phase Separation in Polymer Systems: Theory and Applications* (P. K. Chan, ed.), Research Signpost, Trivandrum, India (2002).
3. D. Vlassopoulos, E. Stiakakis, and M. Kapnistos, "Model Soft Colloids out of Equilibrium: Glass-like and Re-entrant Transitions", *Rheology Reviews 2007*, Eds: D. M Binding, N. E. Hudson, and R. Keunings, pp. 179-260, The British Society of Rheology, Glasgow, U.K (2009).
4. M. Cloitre, and D. Vlassopoulos, "Rheological issues in block copolymers" *Applied Rheology* (M. Kontopoulou, ed.), Wiley, NY (2011).
5. M. Lang, D. Vlassopoulos, and W. Richtering, "Colloid Interactions and Soft Polymer Colloids", *Comprehensive Polymer Science*, 2<sup>nd</sup> Ed., vol. 1 (M. Möller, F. Kremer, eds.), Elsevier, Amsterdam (2012).
6. D. Vlassopoulos, R. Pasquino, and F. Snikjers, "Issues in Ring Polymer Rheology" *Topological Polymer chemistry / Progress in Cyclic Polymers: Syntheses, Properties and Functions* (Y. Tezuka, ed.), World Scientific Publishing, London (2012).

### **Editorial**

1. J. Tsamopoulos and D. Vlassopoulos, Guest Editors, *Journal of Non-Newtonian Fluid Mechanics*, Special Issue Honoring Professor Andreas Acrivos on the Occasion of his Retirement from the Levich Institute for Physicochemical Hydrodynamics and the City College of the CUNY., *J. Non-Newtonian Fluid Mech.*, **102** (2002).  
J. Tsamopoulos and D. Vlassopoulos, "Personal report. Dedication", *J. Non-Newtonian Fluid Mech.*, **102**, 111-113 (2002).
2. D. Vlassopoulos and G. Georgiou, Guest Editors, *Journal of Non-Newtonian Fluid Mechanics*, Special Issue with Contributions from the 3<sup>rd</sup> Annual Meeting of the European Society of Rheology, Hersonissos, Crete, Greece, April 27-29, 2006., *J. Non-Newtonian Fluid Mech.*, **146** (2007)  
D. Vlassopoulos and G. Georgiou, "3<sup>rd</sup> Annual Meeting of the European Society of Rheology, Hersonissos, Crete, Greece, April 27-29, 2006", *J. Non-Newtonian Fluid Mech.*, **146**, 1-2 (2007).
3. D. Vlassopoulos, G. Georgiou, and H. H. Winter, Guest Editors, *Rheol. Acta*, Special Issue with Contributions from the 3<sup>rd</sup> Annual Meeting of the European Society of Rheology, Hersonissos, Crete, Greece, April 27-29, 2006., *Rheol. Acta.*, **46** (2007).  
D. Vlassopoulos, G. Georgiou, and H. H. Winter, "3<sup>rd</sup> Annual Meeting of the European Society of Rheology, Hersonissos, Crete, Greece, April 27-29, 2006",

- Rheol. Acta.*, **46**, 539 (2007).
4. D. Vlassopoulos, and M. Cloitre, Guest Editors,  
*Soft Matter*, Themed Issue on Bridging the Gap Between Hard and Soft Colloids, 2012.  
D. Vlassopoulos, and M. Cloitre,  
“Bridging the Gap Between Hard and Soft Colloids”,  
*Soft Matter*, **8**, 4010-4013 (2012).

#### **Invited Conference Presentations**

1. D. Vlassopoulos,  
"Critical Behavior in Polymer Blends",  
*4th Mediterranean School and Symposium on Science and Technology of Advanced Polymer Based Materials (MEDNET)*, Fodele, Crete, June 1995.
2. D. Vlassopoulos,  
"Dynamics and Rheology of Binary Polymer Blends",  
*Greek-French Polymer Workshop*, Heraklion, Crete, Greece, May 1996.
3. D. Vlassopoulos, G. Fytas, J. Roovers, T. Pakula, and G. Fleischer,  
“Ordering and Dynamics of Soft Spheres in Melt and Solution”,  
*Faraday Discussion No. 112, Physical Chemistry in the Mesoscopic Regime*, Royal Society of Chemistry, Chester, U.K., April 1999.
4. D. Vlassopoulos,  
“Structure and Viscoelasticity of Interacting Spherical Brushes”,  
*19<sup>th</sup> Discussion Conference of Prague Meetings on Macromolecules, Rheology of Polymer Systems*, Prague, Czech Republic, July 1999.
5. D. Vlassopoulos,  
“Reversible Thermal Gelation of Hyperbranched Polymers”,  
*General Meeting 2000, APS*, Minneapolis, MN, March 2000.
6. D. Vlassopoulos,  
“Structure and Dynamics of Micelles and Supramolecular Assemblies in Solution and in the Melt”,  
*The Rheological Aspects of Surfactant Based Systems, Royal Society of Chemistry Faraday Division and British Society of Rheology*, Durham, U.K., September 2000.
7. D. Vlassopoulos\*, E. Stiakakis, and J. Roovers,  
“Gelation Phenomena and Thixotropy in Soft Sphere Systems”,  
*Balkan Seminar on Rheology and IX<sup>th</sup> National Rheology Workshop*, Sofia, Bulgaria, 2001.
8. D. Vlassopoulos,  
“Some Open Problems in the Dynamics of Polymeric Mixtures”,  
*PRCR3, 3<sup>rd</sup> Pacific Rim Conference on Rheology*, Vancouver, Canada, July 2001.
9. D. Vlassopoulos,  
“From polymers to colloids: exploring the mesoscopic regime with star polymers and micelles”,  
*ECIS-2001, XV<sup>th</sup> Conference of the European Colloid and Interface Society*, Coimbra, Portugal, September 2001.
10. D. Vlassopoulos,  
“Rheometry as a Sensitive Probe of Macromolecular Architecture”,  
*Third International Conference on the Dynamics of Polymeric Liquids*, Capri, Italy, May 2002
11. D. Vlassopoulos, I. Chalari, N. Hadjichristidis, R. J. Blackwell, J. Roovers, and T. Chang,  
“Viscoelastic Relaxation in Highly Branched Macromolecules”,  
*PPS-2003 Europe/Africa Regional Meeting*, Athens, Greece, September 2003.
12. D. Vlassopoulos, E. Stiakakis, G. Petekidis, and J. Roovers,  
“Vitrification Phenomena in Colloidal Star Systems”,  
*Juelich Soft Matter Days 2003*, Kerkrade, NL, November 2003.
13. D. Vlassopoulos,  
“Relaxation Mechanisms in Architecturally Complex Macromolecules”,  
*General Meeting 2004, APS*, Montreal, Quebec, Canada, March 2004.
14. D. Vlassopoulos,  
“Using Macromolecular Architecture for Exploring Complex Dynamics”,  
*Progress in Rheology of Biological and Synthetic Polymer Systems, IBERHEO'04*, Beza, Portugal, September 2004.



15. D. Vlassopoulos,  
“Dynamic response of architecturally complex systems using mechanical and optical rheometry”,  
*Turkish-Greek-German Symposium on Polymers in Materials Science and Biology*, Koc University,  
Istanbul, October 2004.
16. E. Stiakakis, G. Petekidis, B. Loppinet, D. Vlassopoulos,  
“Attempts to Tailor the Flow Properties of Soft Colloidal Systems”,  
*2<sup>nd</sup> Annual European Rheology Conference*, Grenoble, France, April 2005.
17. N. Koumakis, A. LeGrand, G. Petekidis, and D. Vlassopoulos,  
“Yielding in Dense Colloidal Systems”,  
*IFPRI Workshop and 2006 Annual Meeting*, Santa Barbara, CA, June 2006.
18. E. Stiakakis, G. Petekidis, D. Vlassopoulos  
“Vitrification and Melting in Soft Colloids”,  
*Dynamics of Complex Fluids – 10 years on*, Isaac Newton Institute, Cambridge, UK, October 2006.
19. D. Vlassopoulos,  
“Rheology Control Using Macromolecular Architecture”,  
*Macromolecules on the Move: Where Polymer Chemistry Meets Rheology, Joint Meeting of the  
Belgian Polymer Group and the Belgian Group of Rheology*, Leuven, Belgium, November 2006.
20. E. Stiakakis, M. E. Helgeson, G. Petekidis, N. J. Wagner, C. N. Likos, D. Vlassopoulos,  
“Yielding and Aging of Soft Colloidal Glasses”,  
*233<sup>rd</sup> ACS National Meeting*, Chicago, IL, USA, March 2007.
21. D. Vlassopoulos,  
“Neither Reptation nor Retraction: Relaxation of Ring Polymers”,  
*4<sup>th</sup> Annual European Rheology Conference, AERC2007*, Napoli, Italy, April 2007.
22. D. Vlassopoulos, M. Helgeson, S. Rogers, G. Petekidis, N. J. Wagner, P. T. Callaghan,  
“Yielding Mechanisms in Colloidal Glasses”,  
*Fifth International Meeting of the Hellenic Society of Rheology*, Rhodes, Greece, June 2007.
23. E. Anyfantakis, G. Fytas, D. Vlassopoulos, E. Bourlinos, E. Giannelis, S. K. Kumar,  
“Observations of thermodynamics-gelation interplay in suspensions of planar nanoparticles”,  
*Soft, Colloid and Biological Matter, SOCOBIM*, Sicily, Italy, July 2007.
24. D. Vlassopoulos,  
“Rheological Analysis of Architecturally Complex Macromolecules”,  
*International Symposium on Polymer Analysis and Characterization (ISPAC) Short Course*,  
Aghios Nikolaos, Crete, Greece, September 2007.
25. D. Vlassopoulos,  
“Multiple Glassy States in Soft Colloidal Systems”,  
*Shear-induced organization in dense or colloidal suspensions, Workshop on Rheophysics*, Ecole  
Polytechnique, Ecole des Ponts, Lafarge, France, January 2008.
26. D. Vlassopoulos,  
“Multiple glassy states and mechanics of soft colloids”,  
*27<sup>th</sup> Annual Meeting and DPG-Spring Meeting of the Condensed Matter Section, and DRG  
Symposium "Rheology, Structure, and Dynamics of Complex Fluids"*, Berlin, Germany, February  
25-29, 2008.
27. E. van Ruymbeke, E. Muliawan, M. Kapnistos, D. Vlassopoulos, N. Hadjichristidis, and A. Hirao,  
“Linear and Nonlinear Rheology of Model Cayley-Tree Polymers”,  
*235<sup>rd</sup> ACS National Meeting*, New Orleans, LA, USA, April 6-10, 2008.
28. D. Vlassopoulos,  
“How ‘model’ are the model experimental systems?”,  
*SOFTCOMP Annual Meeting*, Riva del Garda, Italy, May 5-6, 2008.
29. D. Vlassopoulos,  
“From Dendritically Polymers to Colloidal Self-Assemblies: Tuning the Rheology”,  
*ESF Exploratory Workshop on Hyperbranched Polymers as Novel Materials for Nanoscale  
Applications: Insight from Experiment, Theory and Simulations (HYPER-NANO)*, Fodele, Crete,  
May 25-28, 2008.
30. D. Vlassopoulos,  
“From Cooperative Diffusion to the Flow of Architecturally Complex Polymers”,  
*De Gennes Discussion Conference*, Chamonix, France, February 2-5, 2009.

31. D. Vlassopoulos,  
“Aging and Yield Behaviour in Model Soft Colloidal Systems”,  
*Colloids, Grains and Dense Suspensions: under Flow and under Arrest, Royal Society Discussion Meeting*, London, UK, March 9-10, 2009.
32. B. Erwin, M. Cloitre, and D. Vlassopoulos,  
“Rheology of Colloidal Star Glasses”,  
*13<sup>th</sup> IACIS (International Conference on Surface & Colloid Science) and 83<sup>rd</sup> ACS Colloid & Surface Science Symposium*, Columbia University, New York, NY, USA, June 14-19, 2009.
33. B. Erwin, M. Cloitre, D. Vlassopoulos,  
“Rheology of Glasses from Colloidal Star Polymers and Mixtures”  
*Associations in Solution II: Structure, Function & Performance*, Tomar, Portugal, July 26-30, 2009.
34. D. Vlassopoulos,  
“Soft Glassy Rheology of Colloidal Star Polymers”,  
*42<sup>nd</sup> IUPAC Congress: Chemistry Solutions*, Glasgow, UK, August 3-7, 2009.
35. D. Vlassopoulos,  
“Molecular Rheology of Branched Polymers and Self-Assemblies”,  
*Aquitaine Conference on Polymers, Arcachon*, France, October 13-16, 2009.
36. D. Vlassopoulos,  
“Stress Relaxation in Entangled Branched Polymers”,  
*Juelich Soft Matter Days 2009*, Bonn, Germany, November 10-13, 2009.
37. D. Vlassopoulos,  
“Glassy dynamics and flow control in soft interpenetrating colloids”,  
*Colloidal, Macromolecular and Polyelectrolyte Solutions, Gordon Research Conference*, Ventura, CA, USA, February 21-26, 2010.
38. D. Vlassopoulos,  
“Multiarm Star Polymers as Model Soft Colloids”,  
*General Meeting 2010, APS*, Portland, Oregon, USA, March 15-19, 2010.
39. D. Vlassopoulos,  
“Phase/state behavior of colloidal mixtures involving star polymers”,  
*ACS National Meeting & Exposition*, San Francisco, CA, USA, March 21 – 25, 2010.
40. D. Vlassopoulos,  
“Molecular rheology of model branched polymers and self-assemblies”,  
*ACS National Meeting & Exposition*, San Francisco, CA, USA, March 21 – 25, 2010.
41. D. Vlassopoulos,  
“Dealing with Architectural Dispersity in Entangled Complex Polymers”,  
*New Trends in Polymer Rheology: Complex Architectures and Complex Environments, Softcomp-Dynacop Workshop*, San Sebastian, Spain, April 12-14, 2010.
42. D. Vlassopoulos,  
“Glassy Dynamics in Soft Interpenetrable Colloids”,  
*CECAM Workshop on Complex Dynamics of Fluids in Disordered and Crowded Environments*, Lyon, France, June 28 – July 1, 2010.
43. D. Vlassopoulos,  
“Tailoring glass-like transitions in polymer colloids”,  
*23<sup>rd</sup> General Conference of the European Physical Society, Condensed Matter Division*, Warsaw, Poland, August 30 – September 3, 2010.
44. D. Vlassopoulos,  
“Molecular Rheology with Model Polymers: Combs and Dendritics”,  
*8<sup>th</sup> Hellenic Polymer Society Symposium*, Hersonisos, Crete, Greece, October 24-29, 2010.
45. D. Vlassopoulos,  
“Stress Relaxation in Complex Model Polymers: Combs and Rings”,  
*The 9<sup>th</sup> Stadler Minerva Student Symposium, Soft Matter: Where Physics, Chemistry and Biology Meet*, Beer Sheva and Ein-Gedi, Israel, March 28-30, 2011.
47. D. Vlassopoulos,

- “Tunable Soft Colloids”,  
1<sup>st</sup> Summer Symposium on Nanomaterials and their Application to Biology and Medicine”, Adam Mickiewicz University, Poznan, Poland, June 13-16, 2011.
48. L. de Viguerie, C. Klein, U. Jonas, and D. Vlassopoulos,  
“Structure and Viscoelasticity of Fluorocarbons at the Air/Water Interface”,  
*Sixth International Meeting of the Hellenic Society of Rheology*, Athens, Greece, June 28-29, 2011.
  49. D. Truzzolillo, D. Vlassopoulos, and M. Gauthier,  
“Osmotic Interactions, Glassy States and Arrested Phase Separation in Star-Linear Polymer Mixtures”, *CECAM Workshop on Coarse-Graining Strategies and Methodologies for Polymeric and Biomolecular Assemblies*, Lyon, France, July 5-8, 2011.
  50. R. Pasquino, F. Snijkers, and D. Vlassopoulos,  
“Are true model systems crucial for further progress in polymer dynamics?”  
*Thermodynamics 2011*, Athens, Greece, September 1-3, 2011.
  51. D. Truzzolillo, M. Gauthier, and D. Vlassopoulos,  
“Osmotic interactions and solid-liquid transitions in soft colloid – polymer mixtures”,  
*Viscoplastic Fluids: From Theory to Application*, Rio de Janeiro, Brazil, November 6-10, 2011.
  52. D. Vlassopoulos,  
“Diagnosing and inducing state changes in polymeric materials using rheological tools”,  
*Journées des Jeunes Rhéologues, JJR-2012*, Saint-Rémy-les-Chevreuse, France, March 21-23, 2012.
  53. D. Truzzolillo, N. Vogel, B. Loppinet, and D. Vlassopoulos,  
“Structural and viscoelastic properties of particle monolayers at the air-water interface”,  
*XVth International Congress on Rheology*, Lisbon, Portugal, August 5-10, 2012.
  54. F. Snijkers, H. Lentzakis, D. Vlassopoulos, P. Driva, and N. Hadjichristidis,  
“Entangled branched polymers in nonlinear shear and extension”,  
*9<sup>th</sup> Hellenic Polymer Society Conference*, Thessaloniki, Greece, November 29 – December 1, 2012.
  55. D. Vlassopoulos,  
“Gels from hairy nanoparticles in polymeric matrices”,  
*General Meeting 2013, APS*, Baltimore, Maryland, USA, March 18-22, 2013.
  56. D. Truzzolillo, M. Gauthier, and D. Vlassopoulos,  
“Soft colloidal mixtures: a paradigm of rich, tunable rheology”,  
*8<sup>th</sup> Annual European Conference on Rheology*, Leuven, Belgium, April 4-6, 2013.
  57. D. Vlassopoulos,  
“Metastable states and rheological transitions in soft colloids”,  
*Progress and perspectives in rheology: SRJ's 40<sup>th</sup> Anniversary Symposium*, Society of Rheology Japan (SRJ), Kyoto, Japan, May 16-17, 2013.
  58. D. Vlassopoulos,  
“Entanglement dynamics in complex polymers: combs and rings”,  
*Telluride Polymer Physics Conference*, Telluride, CO, USA, May 16-20, 2013.
  59. D. Vlassopoulos,  
“Dynamics in mixtures of architecturally complex entangled homopolymers”,  
*7<sup>th</sup> International Discussion Meeting on Relaxations in Complex Systems*, Barcelona, Spain, July 21-26, 2013.
  60. D. Vlassopoulos,  
“Rheology of entangled branched polymers with varying number and size of branches”  
*KAUST polymer conference: from synthesis to properties to applications*, King Abdullah University of Science and Technology (KAUST), Thuwal, Kingdom of Saudi Arabia, November 9-13, 2013.
  61. F. Snijkers, H. Lentzakis, N. Hadjichristidis, T. Chang, D. Read, C. Das, G. Ianniruberto, G. Marrucci, E. vanRuybeke, and D. Vlassopoulos,  
“Molecular rheology of entangled branched polymers using combs”,  
*9<sup>th</sup> Annual European Rheology Conference, AERC2014*, Karlsruhe, Germany, April 8-11, 2014.
  62. D. Vlassopoulos,  
“Entanglement dynamics and architectural dispersity in model nonlinear polymers”,  
*Gordon Polymer Physics Conference*, Mount Holyoke College, South Hadley, MA, July 13-18, 2014.
  63. D. Vlassopoulos,  
“Looking for consequences of knotting on the properties of experimental ring polymers”,

- CECAM Workshop, *Knots in Soft Condensed Matter*, Vienna, Austria, September 10-13, 2014.
64. D. Vlassopoulos,  
“Outstanding challenges in polymer dynamics: on the role of branches and free ends”  
*10<sup>th</sup> Annual Polymer Day*, Danish Polymer Center, Technical University of Denmark (DTU), Lyngby, Denmark, November 21, 2014.
65. D. Vlassopoulos,  
“Model entangled branched polymers in shear and extension”,  
*European Science & Engineering Programme (ESPEP), 25<sup>th</sup> Birthday Symposium*, ExxonMobil Chemical Europe, Brussels, Belgium, December 10, 2014.
66. D. Vlassopoulos,  
“Entangled linear, branched and hyperbranched polymers in shear flow”,  
*General Meeting 2015, APS*, San Antonio, Texas, USA, March 2-6, 2015.
67. D. Vlassopoulos,  
“Regular highly branched polymers: from polymeric to colloidal properties”,  
*249<sup>th</sup> ACS National Meeting*, Denver, CO, USA, March 23-25, 2015.
68. D. Vlassopoulos,  
“Outstanding challenges in entanglement dynamics: beyond the classic picture”,  
*10<sup>th</sup> Annual European Rheology Conference, AERC2015*, Nantes, France, April 14-17, 2015.
64. D. Vlassopoulos,  
“Tunable rheology of dendronized polymers via local branching and bonding”,  
*Mason Award Symposium of the Canadian Society of Rheology Conference*, Montreal, Canada, May 20, 2015.
65. D. Vlassopoulos,  
“Tunable rheology of soft colloids”,  
*Special Rheology Symposium of the Hellenic Society of Rheology in Honor of Professor Roger I. Tanner on the occasion of his 82<sup>nd</sup> birthday*, Samos, Greece, June 29 – July 3, 2015.
66. D. Vlassopoulos,  
“The unusual rheology of cyclic polymers and their mixtures”,  
*7<sup>th</sup> International Symposium on Engineering Plastics*, Xining, China, August 18 – 21, 2015.
67. D. Vlassopoulos,  
“From polymeric to colloidal stars: tailoring the flow of soft matter at molecular scale”,  
*2<sup>nd</sup> Workshop on Progress in Bio- and Nanotechnology, BioNanoWorkshop 2015*, Lodz, Poland, September 28-29, 2015.
68. D. Vlassopoulos,  
“Polymers under topological constraints: a rheological journey from entanglements to nanocomposites”,  
*32<sup>nd</sup> International conference of the Polymer Processing Society, PPS-32*, Lyon, France, July 25-29, 2016.
69. S. Costanzo, Q. Huang, G. Ianniruberto, G. Marrucci, O. Hassager, and D. Vlassopoulos,  
“Response of polystyrene melts and solutions with the same number of entanglements in simple shear and uniaxial extension”,  
*XVIIth International Congress on Rheology*, Kyoto, Japan, August 8-13, 2016.
70. M. C. Merola, S. Bochner, D. Vlassopoulos, and G. G. Fuller,  
“Asphaltenes at oil-water interfaces and their role in coalescence”,  
*New aspects of micro- and macroscopic flows in soft matter*, Okinawa Institute of Science and Technology (OIST) Graduate University and The Society of Rheology Japan (SRJ) joint Workshop, Okinawa, Japan, August 15-17, 2016.
71. D. Vlassopoulos,  
“Polymer entanglements, rings and topological mixtures: exploring and tailoring the flow properties of soft matter”,  
*4<sup>th</sup> International Soft Matter Conference (ISMC)*, Grenoble, France, September 12-16, 2016.
72. S. Costanzo, D. Vlassopoulos, G. Ianniruberto, and G. Marrucci,  
“Decoding the response of polymers in simple shear flows”,  
*11<sup>th</sup> Hellenic Polymer Society International Conference (ELEP)*, Heraklion, Greece, November 3-5, 2016.
73. D. Vlassopoulos,

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