

Publication List

- (1) A. Bhattacharya, J. Chen. M. Warren: Regularity of Hamiltonian stationary equations in symplectic manifolds, arXiv:2108.00325, (submitted, 2021)
- (2) J. Chen, R. Shankar, Y. Yuan: Regularity for convex viscosity solutions to special Lagrangian equation, *Comm. Pure Appl. Math.* (to appear)
- (3) J. Chen, L.D. Huang: On Stability of the fibres of Hopf surfaces as harmonic maps and minimal surfaces, *Trans. Amer. Math. Soc.* **374**, no.12, (2021), 8661-8690
- (4) J. Chen, J. M.-S. Ma: On the compactness of Hamiltonian stationary Lagrangian surfaces in Kähler surfaces, *Calc. Var. Partial Differential Equations* **60** (2021), no.2
- (5) J. Chen, M. Warren: Compactification of the space of Hamiltonian stationary Lagrangian submanifolds with bounded total extrinsic curvature and volume, *J. Differential Geometry* (to appear)
- (6) J. Chen, J. M.-S. Ma: Geometry of Lagrangian self-shrinking tori and applications to the Piecewise Lagrangian Mean Curvature Flow, *Amer. J. Math.* **143** (2021), no.1 227-264
- (7) J. Chen, P. Lu, Z. Lu, Z. Zhang: Preface and Description of the Book, in volume in honor of Professor Gang Tian's 60's birthday, *Progress in Mathematics*, Birkhäuser, 2019
- (8) J. Chen, M. Warren: On the regularity of Hamiltonian stationary Lagrangian submanifolds, *Adv. in Math.* **343** (2019), 319-352
- (9) J. Chen, J. M.-S. Ma: The space of compact self-shrinking solutions to the Lagrangian mean curvature flow in C^2 , *J. Reine Angew. Math. (Crelles Journal)*, **743** (2018), 229-244
- (10) J. Chen, Y. Yuan: Hamiltonian stationary cones with isotropic links, *Pacific J. Math.* **295** (2018), 317-327
- (11) J. Chen, M. Warren: Radial solutions of a fourth order Hamiltonian stationary equation, *J. Differential Equations*, **265** (2018), 1576-1595
- (12) J. Chen, Y. Li: Extendability of Conformal Structures on Punctured Surfaces, *IMRN*, (2017), 1-29
- (13) J. Chen, Y. Li: Radially symmetric solutions to the graphic Willmore surface equations, *J. Geom. Anal.* **27** (2017), 671-688
- (14) J. Chen, Y. Wang: Liouville type theorems for the p-harmonic functions on certain manifolds, *Pacific J. Math.* **286** (2016), 313-327
- (15) J. Chen, A. Fraser, C. Pang, Minimal immersions of bordered Riemann surfaces with free boundary, *Trans. Amer. Math. Soc.* **367** (2015), 2487-2507
- (16) J. Chen, Y. Li: Bubble tree of branched immersions and applications to the Willmore functional, *Amer. J. Math.* **136** (2014), 1107-1154
- (17) J. Chen, Y. Li: Homotopy classes of harmonic maps of the stratified 2-spheres and applications to geometric flows, *Adv. Math.* **263** (2014), 357-388
- (18) J. Chen: The Willmore functional of surfaces, *Appl Math J. Chinese Univ.* (2013) **28** (4): 485-493
- (19) J. Chen, J. Li: Detecting quaternionic maps between hyperkahler manifolds, *Commun. Math. Stat.* (2013) **1**: 305-314
- (20) A. Chau, J. Chen, Y. Yuan: Lagrangian mean curvature flow for entire Lipschitz graphs II, *Math. Annalen* (2013) **357**: 165-183
- (21) J. Chen, T. Lamm: A Bernstein Type Theorem for Entire Willmore Graphs, *J. Geom. Anal.* **23** (2013), no.1, 456-469
- (22) A. Chau, J. Chen, W. He: Lagrangian mean curvature flow for entire Lipschitz graphs, *Calc. Var. and Partial Differential Equations*, **44** (2012), 199-220
- (23) A. Chau, J. Chen, Y. Yuan: Rigidity of entire self-similar solutions to curvature flows, *J. Reine. Angew. Math. (Crelles Journal)*, **664** (2012), 229-239
- (24) J. Chen: Some recent progress on mean curvature flow for entire Lagrangian graphs, *Surveys in Geometric Analysis and Relativity*, *ALM* **20** (2011), 49-58
- (25) J. Chen, W. He: A note on singular time of mean curvature flow, *Math. Z.*, **266** (2010), 921-931
- (26) J. Chen, A. Fraser: On stable minimal disks in manifolds with nonnegative isotropic curvature, *J. Reine. Angew. Math. (Crelles Journal)* **643** (2010), 21-37
- (27) J. Chen, A. Fraser: Holomorphic variations and index of minimal disks with boundary in a Lagrangian surface, *Canadian J. Math.* **62** (2010), no.6, 1264-1275

- (28) J. Chen , M. Warren, Y. Yuan: A priori estimate for convex solutions of special Lagrangian equations and its applications, *Comm. Pure Appl. Math.* Vol. **62**, Issue 4 (2009), 583-595
- (29) J. Chen, C. Pang: Uniqueness of unbounded solutions of the Lagrangian mean curvature flow for graphs, *C. R. Math. Acad. Sci. Paris, Ser. I*, **347** (2009),1031-1034
- (30) J. Chen, Y. Yuan: Minimal cones with isotropic links, *IMRN*, no.22 (2006), 1-14
- (31) J. Chen, J. Li: Quaternionic maps and minimal surfaces, *Ann. Scuo. Norm. Sup. Pisa, Cl. Sci.* (5), Vol. IV (2005), 375-388
- (32) J. Chen, J. Li: Singularity of mean curvature flow of Lagrangian submanifolds, *Inventiones Math*, **156** (2004), 25-51
- (33) J. Chen: Special Lagrangian sections and Hermitian Yang-Mills connections, *Communications in Contemp. Math.* **6** (2004), no.1, 25-59
- (34) J. Bao, J. Chen: Optimal regularity for convex solutions of special Lagrangian equations in dimension 3, *Indiana University Math. J.* **52** (2003), no.5. 1231-1249
- (35) J. Bao, J. Chen, B. Guan, M. Ji: Liouville property and regularity of a Hessian quotient equation, *Amer. J. Math.* **125** (2003), no.2, 301-316
- (36) J. Chen: Deforming surfaces in four dimensional manifolds, Symplectic and contact topology interactions and perspectives (Toronto/Montreal, 2001), 79-88, Fields Inst. Commun. **35**, AMS 2003
- (37) J. Chen, J. Li: Quaternionic maps between hyperkähler manifolds, *J. Differential Geometry*, **55** (2001), no.2, 355-384
- (38) J. Chen, J. Li: Mean curvature flow of surfaces in 4-manifolds, *Adv. Math.* **163** (2001), no.2, 287-309
- (39) J. Chen: Lagrangian sections and holomorphic $U(1)$ -bundles, *Pacific J. Math.* **203** (2002), no.1, 139-160
- (40) J. Chen, J. Li, G. Tian: Two dimensional graphs moved by mean curvature flow in R^4 , *Acta Math. Sin. (Engl. Ser.)* **18** (2002), no.2, 209-224
- (41) J. Chen, G. Tian: Moving symplectic curves in Kähler surfaces, *Acta Math. Sin. (Engl. Ser.)* **16** (2000), no.4, 541-548
- (42) J. Chen: Complex anti-self-dual connections on a product of two Calabi-Yau surfaces and triholomorphic curves, *Commun. Math. Physics*, **201** (1999), no.1, 217-247
- (43) J. Chen, G. Tian: Compactification of moduli space of harmonic mappings, *Comment. Math. Helv.* **74** (1999), no.2, 201-237
- (44) J. Chen: Convergence of anti-self-dual connections on $SU(n)$ -bundles over product of two Riemann surfaces, *Commun. Math. Physics*, **196**, no.3 (1998), 571-590
- (45) J. Chen, G. Tian: Minimal surfaces in Riemannian 4-manifolds, *Geom. Funct. Anal. GAFA*, **7** (1997) no.5, 873-917
- (46) J. Chen, P. Hsu: Gradient estimates for harmonic functions on manifolds with Lipschitz metrics, *Canadian J. Math.* **50** (1998), no.6, 1163-1175
- (47) J. Chen: Structures on certain harmonic maps into Kähler manifolds, *Internat. J. Math.* **8** (1997), no.5, 573-581
- (48) J. Chen, S. Li: Holomorphic extensions of maps from the boundary of Kähler manifolds, *Tohoku Math. J.* **49** (1997), no.4, 585-597
- (49) J. Chen: Stable harmonic maps into the complex projective spaces, *J. Differential Geometry*, **43** (1996), no.1, 42-65
- (50) J. Chen: A boundary value problem for Hermitian harmonic maps and applications, *Proc. AMS*, **124** (1996), no.9, 2853-2862
- (51) J. Chen: On energy minimizing mappings between and into singular spaces, *Duke Math. J.* **79** (1995), no.1, 77-99
- (52) J. Chen: The local structure of nodal set of solutions of Schrödinger equation of Riemannian 3-manifolds, *Manuscripta Math.* **85** (1994), no.3-4, 255-263
- (53) J. Chen: Stable harmonic maps into S^2 , Report of the first JMS Int'l Research Institute of Geometry and Global Analysis, Sendai, Japan, Ed. by T. Kotuke, S. Nishikawa and R. Schoen (1993), 431-436.

- (54) J. Chen: Harmonic mappings from Riemann surfaces, Conference on harmonic maps, harmonic morphisms and related topics (Brest, 1997), 153-158. Chapman & Hall/CRM Res. Notes Math. **413**, 2000