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Academic Qualifications:

- Doctoral, Control Theory and Engineering, Donghua University (2014)
- Master, Mathematics, Donghua University (2011)
- Bachelor, Mathematics, Southwest Minzu University (2009)

Brief Career History:

- Associate Professor at Southwestern University of Finance and Economics, China (2018 – now)
- Lecturer at Southwestern University of Finance and Economics, China (2014 – 2017)
- Visiting researcher at Technical University Bergakademine Freiberg, Germany, (2012)

Field(s) of Specialization:

Evolutionary Partial Differential Equations, Control Theory, Long-time Dynamics.

Current Research Areas/Topics:

well-posedness, stability, attractors for porous-elastic system with/without thermal effects, laminated beam, mixtures of elastic materials, flexible structures and so on.

Editor:

Journal of Function Spaces, Mathematical Problems in Engineering

Publications:

1. **B. Feng**, Y. Guo and M. A. Rammaha, On the asymptotic behavior of solutions to a structural acoustics model. J. Differential Equations 372 (2023), 315–347.
2. **B. Feng**, M.M. Freitas, D.S. Almeida Júnior, A.J.A. Ramos and R.Q. Caljaro, Global attractors for porous-elasticity system from second spectrum viewpoint. Nonlinear Analysis: Real World Applications 74 (2023), 103922.
3. **B. Feng** and A. Ö. Özer, Long-time behavior of a nonlinearly-damped three-layer Rao–Nakra sandwich beam. Appl. Math. Optim. 87 (2023), art. 19, 52pp.

4. **B. Feng** and A. Ö. Özer, Stability results for piezoelectric beams with long-range memory effects in the boundary. Math. Nachr. 296 (2023), 4206–4235
5. **B. Feng**, W. Youssef, T. El Arwadi, Polynomial and exponential decay rates of a laminated beam system with thermodiffusion effects. J. Math. Anal. Appl. 517(2023), 126633.
6. **B. Feng**, S. A. Messaoudi, A. Soufyane and M. Zahri, Optimal memory-type boundary control of the Bresse system. Asymp. Anal. 132 (2023), 29–60.
7. **B. Feng**, A. Soufyane and M. Afilal, New general decay results for a multi-dimensional Bresse system with viscoelastic boundary conditions. Math. Control Rel. Fields 13(2023), 1577-1596
8. **B. Feng**, C. A. Raposo, C. A. Nonato and A. Soufyane. Analysis of exponential stabilization for Rao-Nakra sandwich beam with time-varying weight and time-varying delay: Multiplier method versus observability. Math. Control Rel. Fields, 13(2023), 631-663.
9. R. Wang, M. M.Freitas, **B. Feng** and A. J. A. Ramos, Global attractors and synchronization of coupled critical Lamé systems with nonlinear damping. J. Differ. Equ. 359(2023), 476–513.
10. H. Chellaoua, Y. Boukhatem and **B. Feng**, Well-posedness and stability for an abstract evolution equation with history memory and time delay in Hilbert space. Advances in Differential Equations 28 (2023), 953-980.
11. M. Balegh, B. Chentouf, **B. Feng** and Z. Hajjej, A general stability result for a von Karman system with memory and nonlinear boundary delay term. Appl. Math. Lett. 138 (2023) 108512
12. **B. Feng** and A. Ö. Özer, Exponential stability results for the boundary-controlled fully-dynamic piezoelectric beams with various distributed and boundary delays. J. Math. Anal. Appl., 508(2022), 125845.
13. A. Kellechea and **B. Feng**, On general decay for a nonlinear viscoelastic equation. Appl. Anal. 102(2023), 1582-1600.
14. S. Fan and **B. Feng**, Memory-type boundary stabilization of a transmission problem for Kirchhoff wave equations. Math. Methods Appl. Sci., 2022, doi:10.1002/mma.8116
15. A. Mounir, **B. Feng** and A. Soufyane, Uniform decay rates of a Bresse thermoelastic system in the whole space. Math Methods Appl. Sci., 2022, doi: 10.1002/mma.8362
16. B. Chentouf and **B. Feng**, On the stabilization of a flexible structure via a nonlinear delayed boundary control. Discrete Conti. Dyn. Sys. B, 2022, doi: 10.3934/dcdsb.2022032

17. **B. Feng**, D. S. Almeida Júnior and A. J. A. Ramos, Exponential stabilization of laminated beams with history memories. Math. Nachr., 294: 559–579, 2021.
18. **B. Feng**, Exponential stabilization of a Timoshenko system with thermodiffusion effects. Z. Angew. Math. Phys., 72(138): 18pp, 2021.
19. **B. Feng**, L. Yan and D. S. Almeida Júnior, Stabilization for an inhomogeneous porous-elastic system with temperature and microtemperature. Z Angew Math Mech. 101: e202000058, 2021.
20. **B. Feng** and B. Chentouf, Exponential stabilization of a microbeam system with a boundary or distributed time delay. Math. Method Appl Sci., 44: 11613–11630 , 2021.
21. D. S. Almeida Junior, **B. Feng**, M. Afilal and A. Soufyane, The optimal decay rates for viscoelastic Timoshenko type system in the light of the second spectrum of frequency. Z. Angew. Math. Phys., 72(147), 34pp, 2021.
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25. H. Chellaoua, Y. Boukhatem and **B. Feng**, Optimal decay of an abstract nonlinear viscoelastic equation in Hilbert spaces with delay term in the nonlinear internal damping. Asymp. Anal., 126: 65-94, 2021.
26. H. Makheloufi, M, Bahlil and **B. Feng**, Optimal polynomial decay for a Timoshenko system with a strong damping and a strong delay. Math. Method Appl Sci., 44:6301–6317, 2021.
27. **B. Feng**, On a thermoelastic laminated Timoshenko beam: well posedness and stability. Complexity, 2020: 13pp, 2020.
28. **B. Feng** and A. Soufyane, New general decay results for a von Karman plate equation with memory-type boundary conditions. Discrete Conti. Dyn. Sys., 40(3): 1757-1774, 2020.
29. **B. Feng**, M. A. Jorge Silva and A. H. Caixeta, Long-time behavior for a class of semi-linear viscoelastic Kirchhoff beams/plates. Appl. Math. Optim., 82: 657-686, 2020.
30. **B. Feng** and A. Soufyane, Optimal decay rates of a nonlinear time-delayed viscoelastic wave equation. Differ. Integral Equ., 33(1-2): 43-65; 2020.

31. **B. Feng** and A. Soufyane, Memory-type boundary control of a laminated Timoshenko beam. Math. Mech. Solids, 25(8): 1568-1588, 2020.
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36. G. Liu, **B. Feng** and X. Yang, Longtime dynamics for a type of suspension bridge equation with past history and time delay. Commun. Pure Appl. Anal., 19(10): 4995-5013, 2020.
37. M. Bahlil and **B. Feng**, Global existence and energy decay of solutions to a coupled wave and Petrovsky system with nonlinear dissipations and source terms. Mediterr. J. Math., 17(60): 27pp, 2020.
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spherically symmetric combustion model. Appl. Anal, 98(15): 2688–2722, 2019.
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