

List of Publications

Michael H. Montgomery

Refereed Papers

“Constraining the Surface Inhomogeneity and Settling Times of Metals on Accreting White Dwarfs,” **Montgomery, M. H.**, Thompson, S. E., & von Hippel, 2008, ApJ Letters, in press

“SDSS J142625.71+575218.3: A Prototype for a New Class of Variable White Dwarf,” **Montgomery, M. H.**, Williams, K. A., Winget, D. E., Dufour, P., DeGennaro, S., & Liebert, J., 2008, ApJ, 678, L51

“Strong Limits on the DFSZ Axion Mass with G117-B15A,” Bischoff-Kim, A., **Montgomery, M. H.**, & Winget, D. E., 2008, ApJ, 675, 1512

“Fine Grid Asteroseismology of G117-B15A and R548,” Bischoff-Kim, A., **Montgomery, M. H.**, & Winget, D. E., 2008, ApJ, 675, 1505

“What We Can Learn from the Light Curves of GD 358 and PG 1351+489,” **Montgomery, M. H.**, 2008, Communications in Asteroseismology, 154, 38

“Whole Earth Telescope observations of the hot helium atmosphere pulsating white dwarf EC20058-5234,” Sullivan, D. J., Metcalfe, T. S., O’Donoghue, D., Winget, D. E., Kilkeny, D., van Wyk, F., Kanaan, A., Kepler, S. O., Nitta, A., Kawaler, S. D., **Montgomery, M. H.**, Nather, R. E., O’Brien, M. S., Bischoff-Kim, A., Wood, M., Jiang, X. J., Leibowitz, E. M., Ibbetson, P., Zola, S., Krzesinski, J., Pajdosz, G., Vauclair, G., Dolez, N., & Chevreton, M., 2008, MNRAS, 387, 137

“The pulsation modes of the pre-white dwarf PG 1159-035,” Costa, J. E. S., Kepler, S. O., Winget, D. E., O’Brien, M. S., Kawaler, S. D., Costa, A. F. M., Giovannini, O., Kanaan, A., Mukadam, A. S., Mullally, F., Nitta, A., Provençal, J. L., Shipman, H., Wood, M. A., Ahrens, T. J., Grauer, A., Kilic, M., Bradley, P. A., Sekiguchi, K., Crowe, R., Jiang, X. J., Sullivan, D., Sullivan, T., Rosen, R., Clemens, J. C., Janulis, R., O’Donoghue, D., Ogloza, W., Baran, A., Silvotti, R., Marinoni, S., Vauclair, G., Dolez, N., Chevreton, M., Dreizler, S., Schuh, S., Deetjen, J., Nagel, T., Solheim, J.-E., Gonzalez Perez, J. M., Ulla, A., Barstow, M., Burleigh, M., Good, S., Metcalfe, T. S., Kim, S.-L., Lee, H., Sergeev, A., Akan, M. C., Çakırlı, Ö., Paparo, M., Viraghalmy, G., Ashoka, B. N., Handler, G., Hürkal, Ö., Johannessen, F., Kleinman, S. J., Kalytis, R., Krzesinski, J., Klumpe, E., Larrison, J., Lawrence, T., Meišt̃as, E., Martinez, P., Nather, R. E., Fu, J.-N., Pakštienė, E., Rosen, R., Romero-Colmenero, E., Riddle, R., Seetha, S., Silvestri, N. M., Vučković, M., Warner, B., Zola, S., Althaus, L. G., Córscico, A. H., & **Montgomery, M. H.**, 2008, A&A, 477, 627

“Mapping Convection using Pulsating White Dwarf Stars,” **Montgomery, M. H.**, 2007, Communications in Asteroseismology, 150, 253

“Ensemble Characteristics of the ZZ Ceti Stars,” Mukadam, A. S., **Montgomery, M. H.**, Winget, D. E., Kepler, S. O., & Clemens, J. C., 2006, ApJ, 640, 956

“A New Technique for Probing Convection in Pulsating White Dwarf Stars,” **Montgomery, M. H.**, 2005, ApJ, 633, 1142

“DQ Herculis in Profile: Whole Earth Telescope Observations and Smoothed Particle Hydrodynamics Simulations of an Edge-on Cataclysmic Variable System,” Wood, M. A., Robertson, J. R., Simpson, J. C., Kawaler, S. D., O’Brien, M. S., Nather, R. E., Winget, D. E., **Montgomery, M. H.**, Metcalfe, T. S., Jiang,

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“Atmospheric Oscillations in White Dwarfs: A New Indicator of Chromospheric Activity,” Musielak, Z. E., Winget, D. E., & **Montgomery, M. H.**, 2005, ApJ, 630, 506

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“Whole Earth Telescope observations of BPM 37093: A seismological test of crystallization theory in white dwarfs,” Kanaan, A., Nitta, A., Winget, D. E., Kepler, S. O., **Montgomery, M. H.**, Metcalfe, T. S., Oliveira, H., Fraga, L., da Costa, A. F. M., Costa, J. E. S., Castanheira, B. G., Giovannini, O., Nather, R. E., Mukadam, A., Kawaler, S. D., O'Brien, M. S., Reed, M. D., Kleinman, S. J., Provencal, J. L., Watson, T. K., Kilkenny, D., Sullivan, D. J., Sullivan, T., Shobbrook, B., Jiang, X. J., Ashoka, B. N., Seetha, S., Leibowitz, E., Ibbetson, P., Mendelson, H., Meištas, E. G., Kalytis, R., Ališauskas, D., O'Donoghue, D., Buckley, D., Martinez, P., van Wyk, F., Stobie, R., Marang, F., van Zyl, L., Ogloza, W., Krzesiński, J., Zoła, S., Moskalik, P., Breger, M., Stankov, A., Silvotti, R., Piccioni, A., Vauclair, G., Dolez, N., Chevreton, M., Deetjen, J., Dreizler, S., Schuh, S., Gonzalez Perez, J. M., Østensen, R., Ulla, A., Manteiga, M., Suarez, O., Burleigh, M. R., & Barstow, M. A., 2005, A&A, 432, 219

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