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M. Bartelmann, Jürgen Ehlers, and Peter Schneider, "Timescales of isotropic and anisotropic cluster collapse," *Astronomy and Astrophysics* **280** (2), 351-359 (1993).

Jürgen Basedow, Peter Ehlers, Hartmut Graßl, Lars Kaleschke, Hans-Joachim Koch, Doris König, Rainer Lagoni, Gerhard Lammel, Ulrich Magnus, Peter Mankowski, Marian Paschke, Thomas Pohlmann, Uwe Schneider, Jürgen Sündermann, Rüdiger Wolfrum, Wilfried Zahel, and International Max Planck Research School of Maritime Affairs at the University of Hamburg (IMPRS) (eds), "Hamburg studies on maritime affairs", (Springer, Berlin, seit 2004, 2004).

Robert Beig and Bernd G. Schmidt, "Time-Independent Gravitational Fields", in *Einstein's field equations and their physical implications: selected essays in honour of Jürgen Ehlers*, edited by Bernd G. Schmidt (Springer, Berlin [u.a.], 2000), pp. 325-372.

Jiri Bicak and David Kofron, "The Newtonian limit of spacetimes for accelerated particles and black holes," *General Relativity and Gravitation* **41** (1), 153-172 (2009).

Gerhard Börner and Jürgen Ehlers, *Gravitation: Raum-Zeit-Struktur und Wechselwirkung*. (Spektrum der Wissenschaft, Heidelberg, Germany, 1996), 2 ed.

Gerhard Börner, Jürgen Ehlers, and Heinrich Meier, *Vom Urknall zum komplexen Universum*. (Piper-Verlag, München, Germany, 1993).

Gerhard Börner, Jürgen Ehlers, and Ekkart Rudolph, "Relativistic spin precession in two-body systems," *Astronomy and Astrophysics* **44** (2), 417-420 (1975).

Gerhard Börner, Jürgen Ehlers, and Ekkart Rudolph, *Relativistic effects in the binary pulsar PSR 1913 + 16*. (1976).

Gerhard Börner and Jürgen Ehlers, "Was there a big bang?," *Astronomy and Astrophysics* **204** (1-2), 1-2 (1988).

Gerhard Börner, Thomas Buchert, Jürgen Ehlers, George F. R. Ellis, C. J. Hogan, R. P. Kirshner, W. H. Press, G. Raffelt, F.-K. Thielemann, and S. van den Bergh, *What do we know about global properties of the universe*. (Wiley, New York, 1997).

Max Born, Jürgen Ehlers, and Markus Pössel, *Die Relativitätstheorie Einsteins / Max Born*. (Springer, Berlin u.a., 2001), 6. Auflage ed.

- R. A. Breuer and Jürgen Ehlers, "Propagation of High-Frequency Electromagnetic Waves Through a Magnetized Plasma in Curved Space-Time. I," Proceedings of the Royal Society of London. Series A, Mathematical and Physical Sciences **370** (1742), 389-406 (1980).
- R. A. Breuer and Jürgen Ehlers, "Propagation of High-Frequency Electromagnetic Waves Through a Magnetized Plasma in Curved Spaces-Time. II. Application of the Asymptotic Approximation," Proceedings of the Royal Society of London. Series A, Mathematical and Physical Sciences **374** (1756), 65-86 (1981).
- R. A. Breuer and Jürgen Ehlers, "Propagation of electromagnetic waves through magnetized plasmas in arbitrary gravitational fields," Astronomy & Astrophysics **96** (1-2), 293-295 (1981).
- Thomas Buchert and Jürgen Ehlers, "Lagrangian theory of gravitational instability of Friedman-Lemaitre cosmologies - second-order approach: an improved model for non-linear clustering," Monthly Notices of the Royal Astronomical Society **264** (2), 375-387 (1993).
- Thomas Buchert and Jürgen Ehlers, "Averaging inhomogeneous Newtonian cosmologies," Astronomy and Astrophysics **320** (1), 1-7 (1997).
- Karsten Danzmann, J. M. Chen, P. G. Nelson, T. M. Niebauer, Albrecht Rüdiger, Roland Schilling, L. Schnupp, Kenneth A. Strain, H. Walther, Walter Winkler, Jim Hough, A. M. Campbell, C. A. Cantley, J. E. Logan, B. J. Meers, E. Morrison, G. P. Newton, D. I. Robertson, N. A. Robertson, S. Rowan, K. D. Skeldon, P. J. Veitch, H. Ward, H. Welling, Peter Aufmuth, I. Kröpke, D. Ristau, J. E. Hall, J. R. J. Bennett, I. F. Corbett, B. W. H. Edwards, R. J. Elsey, R. J. S. Greenhalgh, Bernard F. Schutz, David Nicholson, Justin R. Shuttleworth, Jürgen Ehlers, P. Kafka, Gerhard Schäfer, H. Braun, and V. Kose, "The GEO-project a long-baseline laser interferometer for the detection of gravitational waves", in *Relativistic Gravity Research: With Emphasis on Experiments and Observations*, edited by Jürgen Ehlers (Springer, Berlin u.a., 1992).
- Jürgen Ecker, "Epilog", in *Vom Urknall zum komplexen Universum*, edited by Gerhard Börner, Jürgen Ehlers, and Heinrich Meier (Piper-Verlag, München, Germany, 1993), pp. 195-203.
- Jürgen Ehlers, "Ein Universalgenie der Wissenschaft, zum hundertsten Todestag des Naturforschers Hermann von Helmholtz", (1994).
- Jürgen Ehlers, "Gedenkansprache anlässlich der Enthüllung der Gedenktafel für Albert

Einstein", in *Berichte und Abhandlungen der Berlin-Brandenburgischen Akademie der Wissenschaften*, (Akademie-Verlag, Berlin, Germany, 1995), Vol. 1, pp. 304-308.

Jürgen Ehlers, "Machian ideas and general relativity", in *Mach's principle*, edited by J. Barbour and H. Pfister (Birkhäuser, Basel, 1995), pp. 458-469.

Jürgen Ehlers, "Spacetime structures", in *Physik, Philosophie und die Einheit der Wissenschaften*, edited by Lorenz Krüger and Brigitte Falkenburg (Akademie-Verlag GmbH, Heidelberg, 1995), pp. 165-176.

Jürgen Ehlers, "Der Kosmos als Objekt der Naturforschung," *Der Sternbote* **41** (5), 90-100 (1998).

Jürgen Ehlers, "The Newtonian Limit of General Relativity", in *Understanding Physics*, edited by Arne K. Richter and Copernicus Gesellschaft e.V. (Copernicus Gesellschaft, Katlenburg-Lindau, 1998), pp. 1-14.

Jürgen Ehlers, "Contributions to the relativistic mechanics of continuous media," *General Relativity and Gravitation* **25** (12), 1225-1266 (1993).

Jürgen Ehlers and Peter Schneider, "Gravitational Lensing", in *General Relativity and Gravitation: Proceedings of GR 13*, edited by Gleiser, R. J., and al. (Institut of Physics Publishing, Bristol, 1993), pp. 21-40.

Jürgen Ehlers, "Ist die Raumzeit krumm?", in *Jahrbuch der Bayerischen Akademie der Wissenschaften*, (C.H. Beck Verlag, München, Germany, 1992), pp. 1-12.

Jürgen Ehlers and G. Schäfer (eds), *Relativistic Gravity Research With Emphasis on Experiments and Observations*. (Springer, Berlin, 1992).

Jürgen Ehlers, "Urknall oder Ewigkeit," *Bild der Wissenschaft* **6**, 84-86 (1994).

Jürgen Ehlers and Helmut Friedrich, *Canonical Gravity: From Classical to Quantum*. (Springer, Berlin, Heidelberg, 1994).

Jürgen Ehlers and Wolfgang Rindler, "Successive Schwarzschild spheres and other rigidity frontiers in spherically symmetric dust-plus-vacuum spacetimes," *Physics Letters A* **180** (3), 197-202 (1993).

Jürgen Ehlers, "Ist die Raumzeit krumm?," *Naturwissenschaftliche Rundschau* **46 reprint of 83** (1), 1-6 (1993).

- Jürgen Ehlers, "Schwerkraft und Weltall – Erkenntnisse und offene Fragen über den Aufbau und die Entwicklung der Welt im Großen", in *Horizonte: Wie weit reicht unsere Erkenntnis heute?*, edited by Wilke, G., and al. (Wissenschaftliche Verlagsanstalt, Stuttgart, Germany, 1993), pp. 135-142.
- Jürgen Ehlers and Hermann Weyl, *Raum, Zeit, Materie: Vorlesungen über allgemeine Relativitätstheorie*. (Springer, Berlin u.a., 1993), 8 ed.
- Jürgen Ehlers and Peter Schneider, "Gravitational lensing", in *Relativistic Gravity Research With Emphasis on Experiments and Observations*, (Springer, Berlin, 1992), pp. 1-45.
- Jürgen Ehlers, "Experimentierkunst und Scharfsinn in der Theorie: zu Hertz' 100. Todestag", (1993).
- Jürgen Ehlers, "Der Nobelpreis für Physik 1993," *Physik und Didaktik* **94** (1), 64-68 (1994).
- Jürgen Ehlers, "Bemerkungen über die relativistische Himmelsmechanik", in *Naturgesetzlichkeit und Kosmologie in der Geschichte: Festschrift für Ulrich Grigull*, edited by V. Bialas (Franz Steiner Verlag, Stuttgart, Germany, 1992), pp. 108-115.
- Jürgen Ehlers, Pascual Jordan, and Rainer K. Sachs, *Beiträge zur Theorie der reinen Gravitationsstrahlung*. (Verlag der Akademie der Wissenschaften und der Literatur in Mainz, Wiesbaden, Germany, 1961).
- Jürgen Ehlers, "Gravitation, Raumzeitstruktur und Astrophysik", in *Jahrbuch der Max-Planck-Gesellschaft 1974*, (Max-Planck-Gesellschaft, München, 1974), pp. 47-60.
- Jürgen Ehlers, Wolfgang Rindler, and R. Penrose, "Energy Conservation as the Basis of Relativistic Mechanics. II," *American Journal of Physics* **33** (12), 995-997 (1965).
- Jürgen Ehlers, Wolfgang Rindler, and I. Robinson, "Quaternions, Bivectors, and the Lorentz Group", in *Perspectives in Geometry and Relativity*, edited by B. Hoffmann (Indiana University Press, Bloomington and London, 1966), pp. 134-149.
- Jürgen Ehlers, "Gravitational Waves", in *Relativita Generale*, edited by C. Cattaneo (Centro Internazionale Matematico Estivo Publications, Rome, Italy, 1965).
- Jürgen Ehlers, J. Ford, C. George, R. Miller, E. Montroll, W. C. Schieve, and J. S. Turner (eds), *Lectures in Statistical Physics*. (Springer, Berlin, Heidelberg, 1974).

- Jürgen Ehlers, "Progress in Relativistic Mechanics, Thermodynamics and Continuum Mechanics", in *General Relativity and Gravitation*, edited by G. Shaviv and J. Rosen (Wiley, New York, 1975), pp. 213-232.
- Jürgen Ehlers, "Kinetic Theory of Gases in General Relativity", in *Relativity and Gravitation*, edited by C. J. Kuper and A. Peres (Gordon and Breach, New York, 1971), pp. 145-154.
- Jürgen Ehlers, "General-relativistic kinetic theory of gases", in *Relativistic Fluid Dynamics*, edited by C. Cattaneo (Centro Internazionale Matematico Estivo, Rome, Italy, 1971), pp. 301-388.
- Jürgen Ehlers, "Die Evolution der Physik - Enzyklopädisches Stichwort", in *Die Evolution der Physik*, edited by A. Einstein and L. Infeld (Rowohlt, 1956), pp. 196-202.
- Jürgen Ehlers, "Exakte Lösungen der Einstein-Maxwellschen Feldgleichungen für statische Felder," *Zeitschrift für Physik A Hadrons and Nuclei* **140** (4), 394-408 (1955).
- Jürgen Ehlers, "Transformations of Static Exterior Solutions of Einstein's Gravitational Field Equations into Different Solutions by Means of Conformal Mappings", in *Les Theories Relativistes de la Gravitation*, (CNRS, Paris, 1959), pp. 275-275.
- Jürgen Ehlers and Wolfgang Rindler, "A gravitationally induced (machian) magnetic field," *Physics Letters A* **32** (4), 257-258 (1970).
- Jürgen Ehlers, P. Geren, and Rainer K. Sachs, "Isotropic Solutions of the Einstein-Liouville Equations," *Journal of Mathematical Physics* **9** (9), 1344-1349 (1968).
- Jürgen Ehlers, "Zum Übergang von der Wellenoptik zur geometrischen Optik in der allgemeinen Relativitätstheorie," *Zeitschrift für Naturforschung A* **22** (9), 1328 (1967).
- Jürgen Ehlers and Engelbert Schücking, "Zur Hönl-Dehnen'schen Formulierung des Mach'schen Prinzips," *Zeitschrift für Physik A Hadrons and Nuclei* **206** (5), 483-491 (1967).
- Jürgen Ehlers, "The geometry of the (modified) GHP-formalism," *Communications in Mathematical Physics* **37** (4), 327-329 (1974).
- Jürgen Ehlers, "Kinetic theory of gases in general relativity theory", in *Lectures in Statistical Physics*, (Springer, Berlin, Heidelberg, 1974), pp. 78-105.
- Jürgen Ehlers, *Kosmologische Beobachtungen und ihre Beziehungen zum Standard-Weltmodell*. (1976).

- Jürgen Ehlers and Rainer K. Sachs, "Kinetic Theory and Cosmology", in *Astrophysics and General Relativity*, edited by Chretien, S. Deser, and J. Goldstein (Gordon and Breach, New York, 1971), Vol. 2, pp. 331-383.
- Jürgen Ehlers, "General Relativity and Kinetic Theory", in *General Relativity and Cosmology*, edited by R. K. Sachs (Academic Press, New York und London, 1971), pp. 1-70.
- Jürgen Ehlers and A. Schild, "Geometry in a manifold with projective structure," *Communications in Mathematical Physics* **32** (2), 119-146 (1973).
- Jürgen Ehlers, "Beiträge zur Theorie der statischen Vakuumfelder in der klassischen und der erweiterten relativistischen Gravitationstheorie," *Zeitschrift für Physik A Hadrons and Nuclei* **143** (2), 239-248 (1955).
- Jürgen Ehlers, "Relativistic Hydrodynamics and its relation to interior solutions of the Gravitational Field Equations", in *Recent Development in General Relativity*, (Pergamon Press, Warszawa, 1962), pp. 201.
- Jürgen Ehlers and Wolfgang Kundt, "Exact solutions of the Gravitational Field Equations", in *The Theory of Gravitation*, edited by Louis Witten (John Wiley & Sons, Inc., New York and London, 1962), pp. 49-101.
- Jürgen Ehlers and Rainer K. Sachs, "Erhaltungssätze für die Wirkung in elektromagnetischen und gravischen Strahlungsfeldern," *Zeitschrift für Physik A Hadrons and Nuclei* **155** (4), 498-506 (1959).
- Jürgen Ehlers, "Exterior solutions of Einsteins's Gravitational Field Equations admitting a two-dimensional Abelian Group of Isometric Correspondences", in *Col. Sur la theorie de la relativite*, (Gauthier-Villar, Paris, 1960), pp. 49-57.
- Jürgen Ehlers, "Relativistic Kinetic Theory of Charged Gases", in *La Magneohydrodynamique Classique et Relativiste*, (Editions du Centre National de la Recherche Scientifique, Paris, 1970), pp. 221-229.
- Jürgen Ehlers and William Riemstra, "The-Locally Isotropic Solutions of the Liouville and Poisson Equations," *Astrophysical Journal* **155**, 1969ApJ..155.105E (1969).
- Jürgen Ehlers, "Probleme und Ergebnisse der modernen Kosmologie," *Mitteilungen der Astronomischen Gesellschaft* **27**, 73-86 (1969).

- Jürgen Ehlers, "Generalized Electromagnetic Null Fields and Geometrical Optics", in *Perspectives in Geometry and Relativity*, edited by B. Hoffmann (Indiana University Press, Bloomington and London, 1966), pp. 127-133.
- Jürgen Ehlers, *Exact Solutions*. (University of London, London, 1966), 2 ed.
- Jürgen Ehlers, "The nature and structure of spacetime", in *The Physicist's conception of nature*, edited by J. Mehra (Reidel, Dordrecht, 1973), pp. 293-313.
- Jürgen Ehlers, Arnold Rosenblum, Joshua N. Goldberg, and Peter Havas, "Comments on gravitational radiation damping and energy loss in binary systems," *Astrophysical Journal* **208** (2), L77-L81 (1976).
- Jürgen Ehlers, "Elektrostatistische Felder in der erweiterten Gravitationstheorie," *Zeitschrift für Physik A Hadrons and Nuclei* **146** (4), 515-526 (1956).
- Jürgen Ehlers, "Beiträge zur relativistischen Mechanik kontinuierlicher Medien", (1961), Vol. 11, pp. 793-836.
- Jürgen Ehlers, Pascual Jordan, and Wolfgang Kundt, *Strenge Lösungen der Feldgleichungen der allgemeinen Relativitätstheorie*. (Verlag der Akademie der Wissenschaften und der Literatur in Mainz, Wiesbaden, Germany, 1960).
- Jürgen Ehlers, *Neuere Entwicklungen in der allgemeinen Relativitätstheorie*. (Teubner, Stuttgart, 1965).
- Jürgen Ehlers and Wolfgang Rindler, "An Electromagnetic Thirring Problem," *Physical Review D* **4** (12), 3543-3552 (1971).
- Jürgen Ehlers, F. A. E. Pirani, and A. Schild, "The Geometry of Light Propagation and Free Fall", in *General Relativity*, edited by L. O'Reifeartaigh (Clarendon Press, Oxford, 1972), pp. 63-84.
- Jürgen Ehlers, "Survey of General Relativity Theory", in *Relativity, Astrophysics and Cosmology*, edited by W. Israel (Reidel, Dordrecht, 1973), pp. 1-125.
- Jürgen Ehlers, PhD Thesis, Hamburg, 1958.
- Jürgen Ehlers, *Gravitationslinsen - Lichtablenkung in Schwerefeldern und ihre Anwendungen.: Themen*. (Carl Friedrich von Siemens Stiftung, München, 1999).

Jürgen Ehlers, Emilio E. Falco, and Peter Schneider, *Gravitational lenses*. (Springer, Berlin u.a., 1999), 2 ed.

Jürgen Ehlers, "Stochastische Herleitung relativistischer Aussagen?," *Physik und Didaktik* **1**, 70-71 (1991).

Jürgen Ehlers, "Remarks on the Relation between machian ideas and general relativity", in *Ernst Mach and the Development of Physics*, edited by V. Prosser and J. Folta (Universitas Carolina Pragensis, Prague, Czechia, 1991), pp. 83-89.

Jürgen Ehlers and Wolfgang Rindler, "A phase-space representation of Friedmann-Lemaitre universes containing both dust and radiation and the inevitability of a big bang," *Monthly Notices of the Royal Astronomical Society* **238** (2), 503-521 (1989).

Jürgen Ehlers and Wolfgang Rindler, "A Novel Phase-Space Representation and Classification of All Friedman-Lemaitre Universes," *Annals of the New York Academy of Sciences* **571** (1989).

Jürgen Ehlers and G. Schäfer, "75 Jahre allgemeine Relativitätstheorie," *Physikalische Blätter* **46**, 481-484 (1990).

Jürgen Ehlers and Gerhard Börner, *Gravitation: Raum-Zeit-Struktur und Wechselwirkung*. (Spektrum der Wissenschaft Verlagsgesellschaft mbH, Heidelberg, Germany, 1989).

Jürgen Ehlers, "Conference summery", in *General Relativity and Gravitation*, edited by Neil Ashby and David B. Bartlett Wyss Walter (Cambridge University Press, Cambridge, 1990), pp. 491-502.

Jürgen Ehlers, "The Newtonian limit of general relativity", in *Classical Mechanics and Relativity: Relationship and consistency*, edited by G. Ferrarese (Napoli-Bibliopolis, Napoli, Italy, 1991), pp. 95-106.

Jürgen Ehlers and A. R. Prasanna, "A WKB formalism for multicomponent fields and its application to gravitational and sound waves in perfect fluids," *Classical and Quantum Gravity* **13** (8), 2231-2240 (1996).

Jürgen Ehlers and Wolfgang Rindler, "Local and Global Light Bending in Einstein's and Other Gravitational Theories," *General Relativity and Gravitation* **29** (4), 519-529 (1997).

Jürgen Ehlers, "Der Kosmos als Objekt der Naturforschung," *Nova Acta Leopoldina* **303** (76), 139-147 (1997).



Jürgen Ehlers and Thomas Buchert, "Newtonian Cosmology in Lagrangian Formulation: Foundations and Perturbation Theory," *General Relativity and Gravitation* **29** (6), 733-764 (1997).

Jürgen Ehlers, "80 Years of General Relativity," *Reviews in Modern Astronomy* **10**, 91-100 (1997).

Jürgen Ehlers, "Concepts of time in Classical Physics", in *Time, Temporality, Now: experiencing time and concepts of time in an interdisciplinary perspective*, edited by H. Atmanspacher and E. Ruhnau (Springer, Berlin, Germany, 1997), pp. 191-200.

Jürgen Ehlers, "Examples of Newtonian limits of relativistic spacetimes," *Classical and Quantum Gravity* **14** (1A), A119-A126 (1997).

Jürgen Ehlers, *Summary*. (World Scientific, Singapore, 1986).

Jürgen Ehlers, "On limit relations between and approximate explanations of physical theories", in *Logic, Methodology and Philosophy of Science: Vol VII*, edited by B. Marcus and al. (Elsevier Science Publ., Amsterdam, 1986), pp. 387-403.

Jürgen Ehlers, A. R. Prasanna, and R. A. Breuer, "Propagation of gravitational waves through pressureless matter," *Classical and Quantum Gravity* **4** (2), 253-264 (1987).

Jürgen Ehlers, "Grundfragen der Relativistischen Physik und Quantenphysik," *Mitteilungen der Deutschen Akademie der Naturfreunde Leopoldina* **32**, 107-111 (1988).

Jürgen Ehlers, *Folklore in relativity and what is really known*. (University Press, Cambridge, 1986).

Jürgen Ehlers, "Einführung in die Raum-Zeit-Struktur mittels Lichtstrahlen und Teilchen", in *Philosophie und Physik der Raum-Zeit*, edited by Andretsch, J., and al. (BI-Wissenschaftsverlag, Mannheim, 1988), pp. 145-162.

Jürgen Ehlers, "Hermann Weyl's Contributions to the General Theory of Relativity", in *Exakte Wissenschaften und ihre philosophische Grundlegung*, edited by Deppert, W., and al. (Verlag Peter Lang, Frankfurt, 1988), pp. 83-105.

Jürgen Ehlers, *Summary and Overview*. (University Press, Cambridge, 1988).

Jürgen Ehlers, "Albert Einstein und die Gravitationstheorie", in *Meyers Grosses Universallexikon*, (Bibliographisches Institut, Mannheim, 1982).

Jürgen Ehlers and Peter Schneider, "Self-consistent probabilities for gravitational lensing in inhomogeneous universes," *Astronomy & Astrophysics* **168** (1-2), 57-61 (1986).

Jürgen Ehlers, "Raum, Zeit, Materie im Großen: Kosmologie", in *Der Raum*, edited by V. Schubert (Eos-Verlag, St. Ottilien, 1987), pp. 151-182.

Jürgen Ehlers and Egon Köhler, "Path structures on manifolds," *Journal of Mathematical Physics* **18** (10), 2014-2018 (1977).

Jürgen Ehlers, *Weak-Field Approximations and Equations of Motion in General Relativity*. (1977).

Jürgen Ehlers and Ekkart Rudolph, "Dynamics of extended bodies in general relativity center-of-mass description and quasirigidity," *General Relativity and Gravitation* **8** (3), 197-217 (1977).

Jürgen Ehlers, *Scientific overview*. (1980).

Jürgen Ehlers and Wolfgang Rindler, "How far can observable relations determine a Robertson-Walker metric?," *Astronomy and Astrophysics* **174** (1-2), 1-4 (1987).

Jürgen Ehlers, "Relations between the Galilei-invariant and the Lorentz-invariant theories of collisions", in *Space, Time and Mechanics*, edited by D. Mayr and G. Samann (Reidel, Dordrecht, 1983), pp. 21-37.

Jürgen Ehlers, "Some advances and problems in classical general relativity", in *Mathematical Problems in Theoretical Physics*, edited by R. Schrader, R. Seiler, and D. A. Uhlenbrock (Springer, Berlin, Heidelberg, 1982), pp. 411-416.

Jürgen Ehlers, "Leben und Werk Albert Einsteins," *Umschau in Wissenschaft und Technik* **79** (1), 7-10 (1979).

Jürgen Ehlers and Martin Walker, *Gravitational radiation and the quadrupole formula*. (Reidel, Dordrecht, 1984).

Jürgen Ehlers, "Problems of relativistic celestial mechanics", in *Aspetti Matematici della teoria della Relativit*, (Atti Dei Convegni Lincei 57, Rome, Italy, 1983), pp. 85-99.

Jürgen Ehlers, "Einstein's theory of gravitation", in *Einstein Symposium Berlin: aus Anlass der 100. Wiederkehr seines Geburtstages 25. bis 30. März 1979*, (Springer, Berlin, 1979), pp. 10-35.

Jürgen Ehlers, "Albert Einstein," *The UNESCO Courier* **May**, 4-8 (1979).

Jürgen Ehlers, "Introduction. Survey of Problems", in *Isolated Gravitating Systems in General Relativity*, edited by Jürgen Ehlers (North-Holland Publishing Co., Amsterdam, 1979).

Jürgen Ehlers, "Über den Newtonschen Grenzwert der Einsteinschen Gravitationstheorie", in *Grundlagenprobleme der modernen Physik*, edited by J. Nitsch, J. Pfarr, and E. W. Stachow (Bibliographisches Institut, Mannheim, 1981), pp. 65-84.

Jürgen Ehlers, "Isolated Systems in General Relativity", in *Annals of the New York Academy of Sciences*, (Wiley, 1980), Vol. 336, pp. 279-294.

Jürgen Ehlers, "Christoffel's Work on the Equivalence Problem for Riemannian Spaces and its importance for modern Field Theories of Physics", in *E. B. Christoffel: The influence of his work on Mathematics and the Physical Sciences*, edited by P. L. Butzer and F. Feher (Birkhäuser, Basel, 1981), pp. 526-542.

Jürgen Ehlers, "Aktuelle Probleme der Gravitationsphysik," *Physik Journal* **7**, 43-43 (2002).

Jürgen Ehlers and Engelbert Schücking, "Aber Jordan war der Erste," *Physik Journal* **11**, 71-72 (2002).

Jürgen Ehlers, "John Lighton Synge, FRS - Short biography," *General Relativity and Gravitation* **34** (12), 2174-2175 (2002).

Jürgen Ehlers, "Relativistic hydrodynamics," *General Relativity and Gravitation* **34** (12), 2171-2174 (2002).

Jürgen Ehlers, "Gravitationslinsen - Lichtablenkung in Schwerefeldern und ihre Anwendungen", (1999), Vol. 69.

Jürgen Ehlers and Ezra T. Newman, "The Theory of Caustics and Wave Front Singularities with Physical Applications," *Journal of Mathematical Physics* **41**, 3344-3378 (2000).

Jürgen Ehlers, "Foundations of Gravitational Lens Theory," *Annalen der Physik* **9**, 307-330 (2000).

Jürgen Ehlers and Rudolf Stichweh, "Die Wahrheit in der Wissenschaft - Interview," *Spektrum der Wissenschaft* **7**, 70-74 (2001).

Jürgen Ehlers, *Einstein's Theory of Spacetime and Gravity*. (World Scientific, Singapore, 2001).

Jürgen Ehlers, "Vorwort zur deutschen Ausgabe von Einsteins Annus mirabilis", in *Einsteins Annus mirabilis: fünf Schriften, die die Welt der Physik revolutionierten*, edited by John Stachel (Rowohlt Taschenbuch Verl., Reinbek bei Hamburg, 2001), pp. 15-24.

Jürgen Ehlers, "General Relativity and Gravitation", in *Encyclopedia of Astronomy and Astrophysics Vol.2*, (Macmillan Publishers Ltd., London, 2001), pp. 966-971.

Jürgen Ehlers, Istvan Ozsvath, Engelbert L. Schücking, and Y. Shang, "Pressure as a source of gravity," *Physical Review D* **72** (12), 124003 (2005).

Jürgen Ehlers, "Der Zeitbegriff in Einsteins Relativitätstheorien", in *Albert Einstein: Genie, Visionär und Legende*, edited by Frank Steiner (Springer, Berlin, Heidelberg, 2005), pp. 79-91.

Jürgen Ehlers and R. Geroch, "Equation of motion of small bodies in relativity," *Annals of Physics* **309** (1), 232-236 (2004).

Jürgen Ehlers, "Aktuelle Probleme der Gravitationsphysik".

Jürgen Ehlers, "A. Friedmann: Die Welt als Raum und Zeit (Buchbesprechung)," *Physik Journal* **No.6**, 60-60 (2003).

Jürgen Ehlers, "Zum Gedenken an Peter Bergmann," *Physik Journal* **No.1**, 50-50 (2003).

Jürgen Ehlers, "In Memory of Peter G. Bergmann", in *Texas in Tuscany: XXI symposium on relativistic astrophysics, Florence, Italy, 9 - 13 December 2002 / eds.*, edited by R. Bandiera, R. Maiolino, and F. Mannucci (World Scientific, Singapore [u.a.], 2003), pp. 13-14.

Jürgen Ehlers and Markus Pössel, *Max Born: Die Relativitätstheorie Einsteins*. (Springer, Berlin u.a., 2003), 7 ed.

Jürgen Ehlers, "Einführung in die allgemeine Relativitätstheorie".

Jürgen Ehlers, "Gravitational Lensing from a Spacetime Perspective", in *Revisiting the foundations of relativistic physics: festschrift in honor of John Stachel*, edited by Abhay Ashtekar (Kluwer Academic, Dordrecht; Boston [u.a.], 2003), pp. 281-304.

Jürgen Ehlers, "Vorlesungen über allgemeine Relativitätstheorie".

Jürgen Ehlers, "Gravitationslinsen".

Jürgen Ehlers, *Mathematik als „Sprache“ der Physik*. (Aulis Verlag Deubner, Köln, Leipzig, Germany, 2006).

Jürgen Ehlers, "A. K. Raychaudhuri and his equation," *International Journal of Modern Physics D* **15** (10), 1573-1580 (2006).

Jürgen Ehlers, "Physikalische Erkenntnis, dargestellt am Beispiel des Übergangs von Newtons Raumzeit zu Einsteins spezieller Relativitätstheorie", in *Die Kultur moderner Wissenschaft am Beispiel Albert Einstein*, edited by Philipp W. Balsinger and Rudolf Kötter (Elsevier, Spektrum Akademie Verlag, München, Germany, 2006), pp. 1-16.

Jürgen Ehlers, "Foundations of Special Relativity Theory", in *Special Relativity: Will it Survive the Next 101 Years?*, (Springer, Berlin, 2006), pp. 35-44.

Jürgen Ehlers and A. Krasinski, "Comment on the paper by J. T. Jebsen reprinted in *Gen. Rel. Grav.* **37**, 2253 – 2259 (2005)," *General Relativity and Gravitation* **38** (8), 1329-1330 (2006).

Jürgen Ehlers, "The Newtonian limit of general relativity", in *Encyclopedia of mathematical physics*, edited by Jean-Pierre Francoise (Elsevier/Academic Press, Amsterdam [u.a.], 2006), Vol. 3 [I-O], pp. 503-508.

Jürgen Ehlers, "A K Raychaudhuri and his equation," *Pramana-Journal of Physics* **69** (1), 7-14 (2007).

Jürgen Ehlers, "General Relativity", in *Approaches to Fundamental Physics: An Assessment of Current Theoretical Ideas*, (Springer, Berlin, 2007), pp. 91-104.

Jürgen Ehlers (ed), *Pascual Jordan (1902-1980)*. (MPI für Wissenschaftsgeschichte, Berlin, 2007).

Jürgen Ehlers, "Remarks on exact solutions," *General Relativity and Gravitation* **38** (6), 1059-1062 (2006).

Jürgen Ehlers, Istvan Ozsvath, and Engelbert L. Schücking, "Active mass under pressure," *American Journal of Physics* **74** (7), 607-613 (2006).

Jürgen Ehlers, "Editorial note to: F. Zwicky The redshift of extragalactic nebulae," *General Relativity and Gravitation* **41** (1), 203-206 (2009).

Jürgen Ehlers, "General-Relativistic Kinetic theory of gas", in *Relativistic Fluid Dynamics: Lectures given at a Summer School of the Centro Internazionale Matematico Estivo (C.I.M.E.)*, (2011), pp. 301-388.

Jürgen Ehlers, "On the Relations Between Field Equations and Equations of Motion in Newtonian and Einsteinian Gravity", in *Acta Physica Polonica B Proceedings Supplement*, (2008), Vol. 39, pp. 123-131.

Helmut Friedrich and Alan D. Rendall, "The Cauchy Problem for the Einstein Equations", in *Einstein's field equations and their physical implications: selected essays in honour of Jürgen Ehlers*, edited by Bernd G. Schmidt (Springer, Berlin u.a., 2000), pp. 127-224.

Jürgen Ehlers, "Some developments in Newtonian cosmology", in *On Einstein's Path*, (Springer, Berlin, 1999), pp. 189-202.

Wolfgang Hillebrandt, "Summary of Workshop on Stellar Collapse and Supernovae", in *Ninth Texas Symposium on Relativistic Astrophysics*, edited by Jürgen Ehlers, Judith J. Perry, and Martin Walker (The New York Academy of Sciences, New York, USA, 1980), pp. 395-401.

Peter Hübner and Jürgen Ehlers, "Inflation in curved model universes with noncritical density," *Classical and Quantum Gravity* **8** (2), 333-346 (1991).

Pascual Jordan, Jürgen Ehlers, and Wolfgang Kundt, "Quantitatives zur Diracschen Schwerkraft-Hypothese," *Zeitschrift für Physik A Hadrons and Nuclei* **178** (5), 501-541 (1964).

Ehlers Jürgen and Markus Pössel, "Neuere Entwicklungen der relativistischen Physik", in *Die Relativitätstheorie Einsteins.*, edited by Markus Pössel (Springer, Berlin, 2001), pp. 325-470.

S. Kind, Jürgen Ehlers, and Bernd G. Schmidt, "Relativistic stellar oscillations treated as an initial value problem," *Classical and Quantum Gravity* **10** (10), 2137-2152 (1993).

Saskia Kind and Jürgen Ehlers, "Initial-boundary value problem for the spherically symmetric Einstein equations for a perfect fluid," *Classical and Quantum Gravity* **10** (10), 2123-2136 (1993).

- R. Kippenhahn and H.-C. Thomas, "Theoretical aspects of X-ray binaries", in *Ninth Texas Symposium on Relativistic Astrophysics*, edited by Jürgen Ehlers, Judith J. Perry, and Martin Walker (The New York Academy of Sciences, New York, USA, 1980), pp. 579-589.
- W. A. König, S. Lutz, M. Hagen, R. Krebber, K. Baldenius, Jürgen Ehlers, H. Tom Dieck, and G. Wenz, "Cyclodextrins as chiral stationary phases in capillary gas chromatography. Part IV: Heptakis(2,3,6-tri-O-pentyl)-beta-cyclodextrin," *Journal of High Resolution Chromatography* **12** (1), 35-39 (1989).
- H. A. Mayer-Hasselwander, K. Bennett, G. F. Bignami, R. Buccheri, N. D'Amico, W. Hermsen, G. Kanbach, F. Lebrun, G. G. Lichti, J. L. Masnou, J. A. Paul, K. Pinkau, L. Scarsi, B. N. Swanenburg, and R. D. Will, "COS-B observation of the Milky Way in high-energy gamma rays", in *Ninth Texas Symposium on Relativistic Astrophysics*, edited by Jürgen Ehlers, Judith J. Perry, and Martin Walker (The New York Academy of Sciences, New York, USA, 1980), pp. 211-222.
- Jürgen Ehlers, "General relativity as a tool for astrophysics", in *Relativistic Astrophysics*, (Vieweg, Baunschweig, 1998), pp. 1-15.
- G. Saathoff, G. Huber, S. Karpuk, C. Novotny, S. Reinhardt, D. Schwalm, A. Wolf, and G. Gwinner, "Experimental Test of Time Dilation by Laser Spectroscopy on Fast Ions", in *Special Relativity: Will it Survive the Next 101 Years?*, edited by Jürgen Ehlers and Claus Lämmerzahl (Springer, Berlin, 2006), pp. 479-492.
- Rainer K. Sachs, A. M. Wolfe, George F. R. Ellis, Jürgen Ehlers, and A. Krasinski, "Republication of: Perturbations of a cosmological model and angular variations of the microwave background," *General Relativity and Gravitation* **39** (11), 1929-1943 (2007).
- Bernd G. Schmidt (ed), *Einstein's Field Equations and Their Physical Implications: Selected Essays in Honour of Jürgen Ehlers*. (Springer, Berlin, Heidelberg, 2000).
- V. Schönfelder, "Gamma-ray observations of Seyfert galaxies and the problem of the extragalactic gamma-ray background", in *Ninth Texas Symposium on Relativistic Astrophysics*, edited by Jürgen Ehlers, Judith J. Perry, and Martin Walker (The New York Academy of Sciences, New York, USA, 1980), pp. 267-277.
- Stella Seitz, Peter Schneider, and Jürgen Ehlers, "Light-propagation in arbitrary spacetimes and the gravitational lens approximation," *Classical and Quantum Gravity* **11** (9), 2345-2373 (1994).

J. E. Trümper (ed), "Nachruf auf Jürgen Ehlers", in *Jahrbuch der Bayerischen Akademie der Wissenschaften 2008*, edited by J.E. Trümper (Bayerische Akademie der Wissenschaften, München, Germany, 2009), pp. 152-154.

Walter Winkler, J. M. Chen, Karsten Danzmann, P. G. Nelson, T. M. Niebauer, Albrecht Rüdiger, Roland Schilling, Kenneth A. Strain, L. Schnupp, H. Walther, J. Hough, A. M. Campbell, C. A. Cantley, J. E. Logan, B. J. Meers, E. Morrison, G. P. Newton, D. I. Robertson, N. A. Robertson, S. Rowan, K. D. Skeldon, P. J. Veitch, H. Ward, H. Welling, Peter Aufmuth, I. Kröpke, D. Ristau, J. E. Hall, J. R. J. Bennett, I. F. Corbett, B. W. H. Edwards, R. J. Elsey, R. J. S. Greenhalgh, Bernard F. Schutz, D. Nicholson, Justin R. Shuttlesworth, Jürgen Ehlers, P. Kafka, Gerhard Schäfer, H. Braun, and V. Kose, "The optics of an interferometric gravitational-wave antenna", in *Relativistic Gravity Research: With Emphasis on Experiments and Observations*, edited by Jürgen Ehlers (Springer, Berlin / Heidelberg, 1992).

Walter Winkler, J. Chen, Karsten Danzmann, P. G. Nelson, T. M. Niebauer, Albrecht Rüdiger, Roland Schilling, Kenneth A. Strain, L. Schnupp, H. Walther, J. Hough, A. M. Campbell, C. A. Cantley, J. E. Logan, B. J. Meers, E. Morrison, G. P. Newton, D. I. Robertson, N. A. Robertson, S. Rowan, K. D. Skeldon, P. J. Veitch, H. Ward, H. Welling, Peter Aufmuth, I. Kröpke, D. Ristau, J. E. Hall, J. R. J. Bennett, I. F. Corbett, B. W. H. Edwards, R. J. Elsey, R. J. S. Greenhalgh, Bernard F. Schutz, D. Nicholson, Justin R. Shuttlesworth, Jürgen Ehlers, P. Kafka, Gerhard Schäfer, H. Braun, and V. Kose, "Mechanical aspects in interferometric gravity wave detectors", in *Relativistic Gravity Research With Emphasis on Experiments and Observations*, edited by Jürgen Ehlers (Springer, Berlin/Heidelberg, 1992).