

Detournay, C., R. Hart and P. Varona. “Factor of Safety Measure for Hoek-Brown Material,” in *Continuum and Distinct Element Modeling in Geomechanics — 2011 (Proceedings, 2nd International FLAC/DEM Symposium, Melbourne, February 2011)*, Paper 13-07, pp. 765-772. D. Sainsbury et al., Eds. Minneapolis: Itasca International Inc., 2011.

Detournay, C., Z. Wang and Y. Han. “Modeling of Nevada Sand Behavior Using CHSOIL,” in *Continuum and Distinct Element Modeling in Geomechanics — 2011 (Proceedings, 2nd International FLAC/DEM Symposium, Melbourne, February 2011)*, Paper 13-08, pp. 773-780. D. Sainsbury et al., Eds. Minneapolis: Itasca International Inc., 2011.

Sainsbury, D., R. Hart, C. Detournay and M. Nelson, Eds. *Continuum and Distinct Element Modeling in Geomechanics — 2011 (Proceedings, 2nd International FLAC/DEM Symposium, Melbourne, February 2011)*. Minneapolis: Itasca International Inc., 2011.

Detournay, C. “Impact of Rock Strength on Sand Production — Numerical and Semi-Analytical Investigations,” in *Proceedings, 9th HSTAM International Congress on Mechanics (Dedicated to the Memory of Professor Ioannis Vardoulakis, Limassol, Cyprus, July 2010)*, pp. 319-329. Limassol: University of Cyprus, 2010.

Connell, L. D., and C. Detournay. “Coupled Flow and Geomechanical Simulation of Gas Production from Coal Seams,” in *CD Proceedings, 2008 Asia Pacific Coalbed Methane Symposium (September 2008)*. Paper IL006. P. Massarotto et al., Eds. Brisbane, Australia: University of Queensland, Chem. Eng. & Earth Sci., 2008.

Cundall, P. A., and C. Detournay. “Modeling Shock and Detonation Waves with *FLAC*,” in *Continuum and Distinct Element Numerical Modeling in Geo-Engineering (Proceedings, 1st International FLAC/DEM Symposium, Minneapolis, August 2008)*, Paper No.10-06. R. Hart et al., Eds. Minneapolis: Itasca Consulting Group, Inc., 2008.

Detournay, C. “Numerical Modeling of the Slit Mode of Cavity Evolution Associated with Sand Production,” in *CD Proceedings, SPE Annual Technical Conference & Exhibition (Denver, September 2008)*, Paper No. SPE 116168. Houston: SPE, 2008.

Detournay, C., and P. Cundall. “The Cysoil Model: A Simple Strain Hardening Constitutive Model for Soft Stiff Soils,” in *Continuum and Distinct Element Numerical Modeling in Geo-Engineering (Proceedings, 1st International FLAC/DEM Symposium, Minneapolis, August 2008)*, Paper No. 06-07. R. Hart et al., Eds. Minneapolis: Itasca Consulting Group, Inc., 2008.

Detournay, C., and Y. Han. “Installation of a Triple Anchored Excavation Wall in Sand Using the Cysoil Model,” in *Continuum and Distinct Element Numerical Modeling in Geo-Engineering (Proceedings, 1st International FLAC/DEM Symposium, Minneapolis, August 2008)*, Paper No. 11-02. R. Hart et al., Eds. Minneapolis: Itasca Consulting Group, Inc., 2008.

Detournay, C., and R. Hart. “Stability of a Slope in Unsaturated Conditions,” in *Continuum and Distinct Element Numerical Modeling in Geo-Engineering (Proceedings, 1st International FLAC/DEM Symposium, Minneapolis, August 2008)*, Paper No. 03-03. R. Hart et al., Eds. Minneapolis: Itasca Consulting Group, Inc., 2008.

Hart, R., C. Detournay and P. Cundall, Eds. *Continuum and Distinct Element Numerical Modeling in Geo-Engineering (CD Proceedings, St International FLAC/DEM Symposium, Minneapolis, August 2008)*. Minneapolis: Itasca Consulting Group, Inc., 2008.

Detournay, C., and E. Dzik. “Nodal Mixed Discretization for Tetrahedral Elements,” in *Numerical Modeling in Geomechanics — 2006 (CD Proceedings of the 4th International Symposium, Madrid, May 2006)*, Paper No. 07-02. R. Hart and P. Varona, Eds. Minneapolis, Minnesota: Itasca Consulting Group, Inc., 2006.

Detournay, C., and B. Wu. “Semi-Analytical Models for Predicting the Amount and Rate of Sand Production,” in *Multiphysics Coupling and Long Term Behaviour in Rock Mechanics (Proceedings of ISRM Eurock 2006, Liège, Belgium, May 2006)*, pp. 373-380. A. Van Cotthem et al., Eds. London: Taylor & Francis, 2006.

Detournay, C., C. Tan and B. Wu. “Modeling the Mechanism and Rate of Sand Production Using FLAC,” in *Numerical Modeling in Geomechanics — 2006 (CD Proceedings of the 4th International Symposium, Madrid, May 2006)*, Paper No. 08-10. R. Hart and P. Varona, Eds. Minneapolis, Minnesota: Itasca Consulting Group, Inc., 2006.

Pierce, M. E., C. Detournay and H. Lager. “Numerical Modeling of Ground Freezing for Sub-Surface Construction,” in *CD Proceedings of Alaska Rocks 2005 — Rock Mechanics for Energy, Mineral and Infrastructure Development in the Northern Regions (University of Alaska-Anchorage, June 2005)*, Paper No. ARMA/USRMS 05-854. G. Chen et al., Eds. ARMA, University of Alaska-Fairbanks, 2005.

Tan, C. P., C. Detournay and X. Chen. “Factors Governing Mud Infiltration and Impact on Wellbore Stability in Fractured Rock Mass,” in *CD Proceedings of Alaska Rocks 2005 — Rock Mechanics for Energy, Mineral and Infrastructure Development in the Northern Regions (University of Alaska-Anchorage, June 2005)*, Paper No. ARMA/USRMS 05-834. G. Chen et al., Eds. ARMA, University of Alaska-Fairbanks, 2005.

Hart, R. D., and C. Detournay. “Geotechnical Constitutive Models in an Explicit, Dynamic Solution Scheme,” in *Soil Constitutive Models: Evaluation, Selection and Calibration (Proceedings of Geo-Frontiers 2005, Austin, Texas, January 2005)*, ASCE Geotechnical Special Publication No. 128, pp. 185-203. J. A. Yamamuro and V. N. Kaliakin, Eds. Reston, Virginia: ASCE, 2005.

Detournay, C., B. Wu and C. Tan. “Hydro-Mechanical Modeling of Damage Around Borehole in Laboratory Experiments,” in *Gulf Rocks 2004: Rock Mechanics Across Borders & Disciplines (Proceedings of the 6th NARMS Conference, Houston, June 2004)*, Paper no. ARMA/NARMS 04-590. D. P. Yale et al., Eds.

Brummer, R., P. Andrieux, C. Detournay and R. Hart, Eds. *FLAC and Numerical Modeling in Geomechanics — 2003 (Proceedings of the 3rd International FLAC Symposium, Sudbury, Ontario, Canada, October 2003)*. Lisse: Balkema, 2003.

Chen, X., C. P. Tan and C. Detournay. “A Study on Wellbore Stability in Fractured Rock Masses with Impact of Mud Infiltration,” *J. Pet. Sci. & Eng.*, **38**, 145-154 (2003).

Detournay, C., P. Cundall and J. Parra. “A Study of Compaction Band Formation with the Double-Yield Model,” in *FLAC and Numerical Modeling in Geomechanics — 2003 (Proceedings of the 3rd International FLAC Symposium, Sudbury, Ontario, Canada, October 2003)*, pp. 27-33. R. Brummer et al., Eds. Lisse: Balkema, 2003.

Detournay, C., C. Tan and X. Chen. “Modeling of Factors Influencing the Extent of Mud Infiltration in a Fractured Rock Mass,” in *Technology Roadmap for Rock Mechanics (Proceedings of the 10th Congress of the ISRM, Johannesburg, September 2003)*, Vol. 1, pp. 231-236. Johannesburg: SAIMM, 2003.

Pathak, Y., M. Alfaro and C. Detournay. “Wetting-Induced Deformation of Geosynthetic Reinforced Slopes with Expansive Soils,” in *CD Proceedings of the 2003 North American Geosynthetics Society and 56th Canadian Geotechnical Conference (Winnipeg, 2003)*, Specialty Geosynthetics Sessions.

Chen, X., C. P. Tan and C. Detournay. “The Impact of Mud Infiltration on Wellbore Stability in Fractured Rock Masses,” SPE/ISRM Rock Mechanics Conference (Irvine, Texas, October 2002), SPE/ISRM 78241.

Billiaux, D., X. Rachez, C. Detournay and R. Hart, Eds. *FLAC and Numerical Modeling in Geomechanics — 2001 (Proceedings of the 2nd International FLAC Conference, Lyon, France, October 2001)*. Lisse: Balkema, 2001.

Detournay, C. and P. A. Cundall. “Numerical Modeling of Unsaturated Flow in Porous Media Using FLAC,” in *FLAC and Numerical Modeling in Geomechanics — 2001 (Proceedings of the 2nd International FLAC Conference, Lyon, France, October 2001)*, pp. 115-124. D. Billiaux et al., Eds. Lisse: Balkema, 2001.

Chen, X., C. P. Tan and C. Detournay. “Wellbore Behaviour in Fractured Rock Masses,” in *Rock Mechanics in the National Interest (Proceedings of the 38th U.S. Rock Mechanics Symposium, Washington, D.C., July 2001)*, Vol. 1, pp. 59-66. Lisse: Balkema, 2001.

Savitski, A. A., E. Detournay and C. Detournay-Piette. “Stress Induced by Production from a Fractured Well in a Horizontal Reservoir Bounded by Impermeable Layers,” in *Pacific Rocks 2000: Rock Around the Rim (Proceedings of the 4th North American Rock Mechanics Symposium, Seattle, July-August 2000)*, pp. 161-168. J. Girard et al., Eds. Rotterdam: Balkema 2000.

Berchenko, I., C. Detournay and E. Detournay. “Solution of Thermoplastic Problems Using FLAC,” in *FLAC and Numerical Modeling in Geomechanics (Proceedings of the Conference, Minneapolis, September 1999)*, pp. 133-140. C. Detournay and R. Hart, Eds. Rotterdam: Balkema, 1999.

Detournay, C., and P. A. Cundall. “Numerical Modeling of Free Surface Flow in Porous Media Using FLAC3D,” in *FLAC and Numerical Modeling in Geomechanics (Proceedings of the Conference, Minneapolis, September 1999)*, pp. 155-161. C. Detournay and R. Hart, Eds. Rotterdam: Balkema, 1999.

Detournay, C., and R. Hart, Eds. *FLAC and Numerical Modeling in Geomechanics (Proceedings of the Conference, Minneapolis, September 1999)*. Rotterdam: Balkema, 1999.

Noorany, I., S. Frydman and C. Detournay. “Prediction of Soil Slope Deformation Due to Wetting,” in *FLAC and Numerical Modeling in Geomechanics (Proceedings of the Conference, Minneapolis, September 1999)*, pp. 101-107. C. Detournay and R. Hart, Eds. Rotterdam: Balkema, 1999.

Siebrits, E., J. L. Elbel, E. Detournay, C. Detournay-Piette and M. Christianson. “Parameters Affecting Azimuth and Length of a Secondary Fracture During a Refracture Treatment,” in *Proceedings of the 1998 SPE Annual Technical Conference & Exhibition (New Orleans, September 1998)*, Paper No. SPE 48928. Dallas: SPE, 1998.

Cheng, A., Y. Abousleiman, C. Detournay and J. C. Roegiers. “Source Solution for a Generalized Dual Porosity Model,” in *Structure et Comportement Mécanique des Géomateriaux (Colloque René Houfert, Nancy, September 1992)* pp. 109-116.

Detournay, C. “A Cauchy Integral Element for Boundary Singularities,” in *Boundary Element Technology VII*, pp. 801-813. C. A. Brebbia and M. S. Ingber, Eds. Boston: Computational Mechanics Publications, 1992.

Detournay, C. “A Cauchy Integral Element for Power-type Singularities,” *Appl. Math. Modelling*, **16**, 450-463 (1992).

Detournay, C. “On a Cauchy Integral Element Method for Potential Flow with Corner Singularities,” in *Computational Engineering with Boundary Elements (Proceedings of the Fifth International Conference on Boundary Element Technology, University of Delaware, July 1990)*, Vol. 1: Fluid and Potential Problems, pp. 119-130. S. Grilli et al., Eds. Boston: Computational Mechanics Publications, 1990.

Detournay, C., and O.D.L. Strack. “A New Approximate Technique for the Hodograph Method in Groundwater Flow and its Application to Coastal Aquifers,” *Water Resources Research*, **24**(9), 1471-1481 (1988).

Detournay, C. “A Boundary Element Technique for Conformal Mapping,” in *Boundary Elements X*, Vol. 2, Heat Transfer, Fluid Flow and Electrical Applications, pp. 143-154. Boston: Computational Mechanics Publications, 1988.

Piette (Detournay), C., and S. Cescotto. “Application des éléments finis à la détermination de la surface piézométrique d’une nappe d’eau souterraine,” *Journée d’études sur la méthode des éléments finis appliquée à la géotechnique*, **1**, 179-192 (1983).