



## DAFTAR PUSTAKA

- Agudo, O. C., da Silva, N. V., Warner, M., & Morgan, J. (2018). Acoustic full-waveform inversion in an elastic world. *Geophysics*, 257-271.
- Akrami, S. M. (2017). *An Algorithm for Full Waveform Inversion of Vector Acoustic Data*. Canada: Memorial University of Newfoundland.
- Assi, H., & Cobbold, R. (2015). Compact second-order time-domain perfectly matched layer formulation for elastic wave propagation in two dimensions. *Mathematics and Mechanics of Solids*, 1-18.
- Blazek, J. (2006). *Computational Fluid Dynamics: Principles and Applications (Second Edition)*. St Agustin, Germany: CFD Consulting and Analysis.
- Bording, R. P., Gersztenkorn, A., Lines, L., Scales, J., & Treitel, S. (1987). Application of seismic travel-time tomography. *Geophysical Journal International*, 285-303.
- Brossier, R., Operto, S., & Virieux, J. (2009). Seismic imaging of complex onshore structures by 2D elastic frequency-domain full-waveform inversion. *Geophysics*, WCC105-WCC118.
- Camargo, A., Ribeiro, J., Coimbra, T. A., Ignacio, G. B., & Tygel, M. (2019). Full-wave inversion (FWI) to a 2D-ocean-bottom node (OBN) dataset after offset-continuation-in-trajectory (OCT) data regularization. *Sixteenth International Congress of The Brazilian Geophysical Society*, 1-6.
- Carcione, J. M., Kosloff, D., & Kosloff, R. (1988). Wave propagation simulation in a linear viscoelastic medium. *Geophysical Journal International*, 597-611.
- Caunt, E. (2021, April 22). Tutorial: Synthetic seismic models with GemPy, Devito, and Pyvista. Software Underground.
- Chadwick, R. A., Zweigel, P., Gregersen, U., Kirby, G. A., Holloway, S., & Johannessen, P. N. (2004). Geological reservoir characterization of CO<sub>2</sub> storage site: The Utsiran Sand, Sleipner, northern North Sea. *Energy*, 1371-1381.
- Fang, J., Chen, H., Zhou, H., Rao, Y., Sun, P., & Zhang, J. (2020). Elastic full-waveform inversion based on GPU accelerated temporal fourth-order finite-difference approximation. *Computers and Geosciences*, 1-10.
- Gao, Y., & Zhu, M.-H. (2022). Application of the Reflectionless Discrete Perfectly Matched Layer for Acoustic Wave Simulation. *Frontiers in Earth Science*, 1-18.
- Guarido, M., Lines, L., & Ferguson, R. (2016). *FWI without tears: a forward modeling free gradient*. Canada: CREWES Research Report.
- Irnaka, T. M. (2020). *3D elastic full waveform inversion for subsurface characterization*. Université Grenoble Alpes.
- Johnson, S. G. (2008, Juli 19). "Notes on Perfectly Matched Layers (PMLs)" in Lecture Notes MIT. Cambridge, Massachusetts, Amerika Serikat.
- Karmakar, P. (2011). Acoustic Wave. In M. G. Beghi, *Acoustic Wave: From Microdevices to Helioseismology* (pp. 79-122). Rijeka: InTech Press.



- Komatitsch, D., Tsuboi, S., & Tromp, J. (2005). The Spectral-Element Method in Seismology. *Geophysical Monograph Series* 157, 205-227.
- Lambaré, G. (2008). Stereotomography. *Geophysics*, 73, VE25-VE34.
- Lay, T. (1995). Chapter 1 - Introduction. In T. C. Wallace, *Modern Global Seismology* (pp. 1-33). International Geophysics.
- Lei, W. (2019). *Global Seismic Full-Waveform Inversion*. New Jersey: Princeton University.
- Li, K., & Liao, W. (2019, Mei 9). An Efficient and High Accuracy Finite Difference Scheme For The Acoustic Wave Equation in 3D Heterogenous Media. Canada, Canada.
- Li, X. (2010). PML Condition for The Numerical Simulation of Acoustic Wave . *International Conference on Computing, Control and Industrial Engineering* (pp. 129-132). IEEE Computer Society.
- Liu, Y., & Sen, M. (2009). A new time-space domain high-order finite-difference method for the acoustic wave equation. *Journal of Computational Physics*, 228, 8779-8806.
- Liu, Y., & Sen, M. (2009, Desember 8). Advanced finite-difference methods for seismic modeling.
- Louboutin, M., & Lange, M. (2018, Januari). Full-waveform inversion, Part 2: Adjoint modeling. *Geophysical Tutorial - Coordinated by Matt Hall*. SEG.
- Louboutin, M., Lange, M., Luporini, F., Kukreja, N., Witte, P., Herrmann, F., Gorman, G. (2019). Devito: an embedded domain-specific language for finite differences and geophysical exploration. *Geoscientific Model Development*, 1165-1187.
- Marfurt, K. J. (1984). Accuracy of finite-difference and finite-element modeling of the scalar and elastic wave equationa. *Geophysics*, 49, 533-549.
- Nocedal, J., & Wright, S. (2006). *Numerical Optimization* (2nd ed.). New York: Springer.
- Peng, C., & Toksöz, M. N. (1993). Optimal Absorbing Boundary Conditions for Finite Difference Modeling of Acoustic and Elastic Wave Propagation. *SEG Technical Program Expanded Abstracts 1993*, 1056-1059.
- Perkins, S. (2018, Januari 12). *Science News Explores*. Retrieved from Explainer: Seismic waves come in different 'flavors': <https://www.snewsexplores.org/article/explainer-seismic-waves-come-different-flavors>
- Phillip, Abraham, & Gaumond, C. F. (1986). Reflection tomography. *Journal Acoustic Society*, 1303-1314.
- Plessix, R.-E. (2006). A review of the adjoint-state method for computing the gradient of a functional with geophysical applications. *Geophysics Journal International*, 495-503.
- Pratt, R. G., & Ship, R. M. (1999). Seismic waveform inversion in the frequency domain, Part 2: Fault delineation in sediments using crosshole data. *Geophysics*, 902-914.



- Ren, Z., & Li, Z. (2019). High-order temporal and implicit spatial staggered-grid finite-difference operators for modeling seismic wave propagation. *Geophysical Journal International*(217), 844-865.
- Ryan, H. (1994, September 9). Ricker, Ormsby, Klauder, Butterworth - A Choice of Wavelets. *CSEG Recorder*, pp. 8-9.
- Schuster, G. T. (2007). *Basics of Seismic Wave Theory*. Salt Lake City: University of Utah.
- Shearer, P. M. (2009). *Introduction to Seismology Second Edition*. Cambridge: Cambridge University Press.
- Sudarmaji, Alfontius, Y., & Rahmara, M. K. (2019). Seismic Wave Propagation Simulation in a Poro-elastic Medium Using Spectral Method Elements in MPI-GPU Cluster: Study Case of Anticline Reservoir Trap. *Indonesian Journal of Applied Physics*, 9-15.
- Sudarmaji, Rudianto, I., & Nurcahya, B. E. (2018). Numerical Modeling of 3D Seismic Wave Propagation around Yogyakarta, the Southern Part of Central Java, Indonesia, Using Spectral-Element Method on MPI-GPU Cluster. *Journal of Physics: Conference Series*, 1-5.
- Sudarmaji, Sismanto, Waluyo, & Soedijono, B. (2015). Numerical Modeling of 2D Seismic Wave Propagation in Fluid Saturated Porous Media Using Graphics Processing Unit (GPU): Study Case of Realistic Simple Structural Hydrocarbon Trap. *International Conference on Science and Technology (ICST)*. Yogyakarta.
- T.Schuster, G. (2007). *Basic of Seismic Wave Theory*. Utah: University of Utah.
- Vireux, J. (1986). P-SV wave propagation in heterogeneous media, velocity stress finite difference method. *Geophysics*, 889-901.
- Vireux, J., & Operto, S. (2009). An overview of full-waveform inversion in exploration geophysics. *Geophysics*, 127-152.
- Wang, Y. (2014). The Ricker wavelet and the Lambert W function. *Geophysics Journal International*, 111-115.
- Wang, Y., & Liang, W. (2017). Optimized Finite Difference Methods for Seismic Acoustic Wave Modeling. In M. Reyhanoglu, *Computational and Experimental Studies of Acoustic Waves*. IntechOpen.
- Witte, P., & Louboutin, M. (2018, Februari). Full-waveform inversion, Part 3: Optimization. *Geophysical Tutorial - Coordinated by Matt Hall*. SEG.
- Xiao, B., Kotova, N., Bretherton, S., Ratcliffe, A., Cuval, G., Page, C., & Pape, O. (2016). An offshore Gabon full-waveform inversion case study. *Interpretation*, SU25-SU39.
- Yao, G., Wu, D., & Wang, S.-X. (2020). A review on reflection-waveform inversion. *Petroleum Science*, 334-351.
- Zhu, L., Liu, E., & McClellan, J. (2016). Fast online orthonormal dictionary learning for efficient full waveform inversion. IEEE.