

DAFTAR PUSTAKA

- Aliamran, S., & Karnadi. (2023). Determination of Optimal Sand Material selection for Sand moulding using DMAIC Method. *JieTri : Journal of Industrial Engineering Tridinanti*, 1(02), 01–08.
<https://doi.org/10.52333/jietri.v1i02.179>
- Elekes, F., & Parteli, E. J. R. (2021). An expression for the angle of repose of dry cohesive granular materials on Earth and in planetary environments. *Proceedings of the National Academy of Sciences of the United States of America*, 118(38). <https://doi.org/10.1073/pnas.2107965118>
- Geng, R., Wang, X., Gong, S., Zhang, X., Xu, N., & Lin, D. (2026). The capillary bridge between spheres of dissimilar materials: Closed-form approximation from numerical solutions. *Chemical Engineering Science*, 321(PB), 122839. <https://doi.org/10.1016/j.ces.2025.122839>
- Haoxing, Z., & System, C. (n.d.). *No 主観的健康感を中心とした在宅高齢者における健康関連指標に関する共分散構造分析*Title.
- Hornbaker, D. J., Albert, R., Albert A-L Barabási, I., & Schiffer, P. (1997). What keeps sandcastles standing? *Pilpel, N. Manufact. Chem. Aerosol News*, 387, 379–382.
- Jenike, A. (1976). Storage and flow of solids. Bulletin No. 123; Vol. 53, No. 26, November 1964. *Bulletin of the University of Utah*, 53(March), 209.
- Mitarai, N., & Nori, F. (2006). Wet granular materials. *Advances in Physics*, 55(1–2), 1–45. <https://doi.org/10.1080/00018730600626065>
- Nedderman, R. M. (1992). *Statics and Kinematics of Granular Materials*. Cambridge: Cambridge University Press.
- Ai, J., Chen, J. F., Rotter, J. M., & Ooi, J. Y. (2011). Assessment of Rolling Resistance Models in Discrete Element Simulations. *Powder Technology*, 206(3), 269–282.

- Anand, A., Curtis, J. S., Wassgren, C. R., Bruno, B. C., & Veauvy, C. (2017). Predicting the Flowability of Cohesive Powders. *Powder Technology*, 315, 20-35.
- ASM International. (2008). *ASM Handbook, Volume 15: Casting*. Materials Park, OH: ASM International.
- Cundall, P. A., & Strack, O. D. L. (1979). A Discrete Numerical Model for Granular Assemblies. *Géotechnique*, 29(1), 47-65.
- Fayed, M. E., & Skocir, T. S. (1997). *Mechanical Conveyors: Selection and Operation*. Lancaster, PA: Technomic Publishing Company.
- Horabik, J., & Molenda, M. (2016). Parameters and Contact Models for DEM Simulations of Agricultural Granular Materials: A Review. *Biosystems Engineering*, 147, 206-225.
- Hornbaker, D. J., Albert, R., Albert, I., Barabási, A. L., & Schiffer, P. (1997). What Keeps Sandcastles Standing? *Nature*, 387, 765.
- Israelachvili, J. N. (2011). *Intermolecular and Surface Forces*. 3rd Edition. Amsterdam: Elsevier/Academic Press.
- Jenike, A. W. (1964). *Storage and Flow of Solids*. Bulletin No. 123. Utah: University of Utah Engineering Experiment Station.
- KWS Manufacturing. (2016). *Engineering Guide: Screw Conveyors*. Burleson, TX: KWS Manufacturing Company, Ltd.
- Lommen, S., Schott, D., & Lodewijks, G. (2014). Using Simple Digital Image Processing to Validate Numerical Simulations of Bulk Properties. *KONA Powder and Particle Journal*, 31, 109-120.
- Mikami, T., Kamiwano, M., Horio, M., & Kano, J. (1998). Numerical Simulation of Cohesive Powder Behavior in a Fluidized Bed. *Chemical Engineering Science*, 53(10), 1927-1940.
- Mishra, B. K. (2003). A Review of Computer Simulation of Tumbling Mills. *Control Engineering Practice*, 11(11), 1305-1317.
- Mitarai, N., & Nori, F. (2006). Wet Granular Materials: Rice Bucket Effect and Moisture-Dependent Free-Surface Profiles. *Advances in Physics*, 55(1-2), 1-45.

- Montgomery, P. (2007). *The Core Room Guidebook*. Des Plaines, IL: American Foundry Society.
- Nedderman, R. M. (1992). *Statics and Kinematics of Granular Materials*. Cambridge: Cambridge University Press.
- Potyondy, D. O., & Cundall, P. A. (2004). A Bonded-Particle Model for Rock. *International Journal of Rock Mechanics and Mining Sciences*, 41(8), 1329-1364.
- Roberts, A. W. (1999). *The Influence of Adhesion and Cohesion on the Gravity Flow of Bulk Solids from Storage Bins and Hoppers*. Newcastle: University of Newcastle.
- Schulze, D. (2008). *Powders and Bulk Solids: Behavior, Characterization, Storage and Flow*. Berlin: Springer-Verlag.
- Vu-Quoc, L., & Zhang, X. (1999). An Elastoplastic Contact Force Model and Its Application to Particle Flow Analysis. *Computer Methods in Applied Mechanics and Engineering*, 171(3-4), 231-253.
- Wensrich, C. M., & Katterfeld, A. (2012). Rolling Friction as a Technique for Modelling Particle Shape in DEM. *Powder Technology*, 217, 12-17.
- Zhou, Y. C., Xu, B. H., Zou, R. P., Hancock, N. H., & Yu, A. B. (2002). Discrete Particle Simulation of Particulate Systems: Theoretical Developments. *Chemical Engineering Science*, 57(13), 2311-2321.
- Zhu, H. P., Zhou, Z. Y., Yang, R. Y., & Yu, A. B. (2008). Discrete Particle Simulation of Particulate Systems: A Review of Major Applications and Findings. *Chemical Engineering Science*, 63(23), 5728-5770