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References

- Das, S., 2003. Physical aspects of process control in selective laser sintering of metals. *Adv. Eng. Mater.* 5, p. 701–711.
- Geiger, M., Leitz, K.-H., Koch, H., Otto, A., 2009. A 3D transient model of keyhole and melt pool dynamics in laser beam welding applied to the joining of zinc coated sheets. *Production Engineering* 3 [2], p. 127-136.
- Gürtler, F.-J., Karg, M., Leitz, K.-H., Schmidt, M., 2013. Simulation of laser beam melting of steel powders using the three-dimensional volume of fluid method. *Phys. Proced.* 41, p. 874–879.
- Gusarov, A. V., I. Smurov, I., 2010. Modeling the interaction of laser radiation with powder bed at selective laser melting. *Physics Procedia* 5, p. 381-394.
- Körner, C., Attar, E., Heinl, P., 2011. Mesoscopic simulation of selective beam melting processes. *J. Mater. Process. Technol.* 211, p. 978–987.
- Kruth, J.-P., Levy, G., Klocke, F., Childs, T.H.C., 2007. Consolidation phenomena in laser and powder-bed based layered manufacturing. *CIRP Ann. – Manufact. Technol.* 56, p. 730.
- Nogowizin, B., 2003. Druckgusslegierungen und ihre Eigenschaften. *Druckguss-Praxis* 4, p. 161-168.
- Rombouts, M., Froyen, L., Gusarov, A.V., Bentefour, E. H., Glorieux, C., 2005. Photopyroelectric measurement of thermal conductivity of metallic powders. *Journal of applied physics* 97, p. 024905.
- Xiao, B., Zhang, Y., 2007. Laser sintering of metal powders on top of sintered layers under multiple-line laser scanning. *J. Phys. D: Appl. Phys.* 40, p. 6725–6735.
- Zäh, M. F., Branner, G., Krol, T.A., 2009. A three dimensional FE-model for the investigation of transient physical effects in Selective Laser Melting. *Innovative Developments in Design and Manufacturing – Adv. Res. in Vir. and Rap. Pro.*
- Zehner, Peter, 1972. Experimentelle und theoretische Bestimmung der effektiven Wärmeleitfähigkeit durchströmter Kugelschüttungen bei mässigen und hohen Temperaturen. Universität Karlsruhe, PhD thesis.
- Zeng, K., Pal, D., Stucker, B., 2012. A review of thermal analysis methods in Laser Sintering and Selective Laser Melting. *Solid Freeform Fabrication Symposium*, vol. 23.