

























- [2] S.-H. Ahn, M. Montero, D. Odell, S. Roundy, and P. K. Wright, “Anisotropic material properties of fused deposition modeling ABS,” *Rapid Prototyp. J.*, vol. 8, no. 4, pp. 248–257, 2002.
- [3] J. F. Rodríguez, J. P. Thomas, and J. E. Renaud, “Mechanical behavior of acrylonitrile butadiene styrene (ABS) fused deposition materials. Experimental investigation,” *Rapid Prototyp. J.*, vol. 7, no. 3, pp. 148–158, Aug. 2001.
- [4] J. Lee and A. Huang, “Fatigue analysis of FDM materials,” *Rapid Prototyp. J.*, vol. 19, no. 4, pp. 291–299, 2013.
- [5] M. S. Hossain, J. Ramos, D. Espalin, M. Perez, and R. Wicker, “Improving Tensile Mechanical Properties of FDM-Manufactured Specimens via Modifying Build Parameters,” in *International Solid Freeform Fabrication Symposium An Additive Manufacturing Conference*, Austin, Texas, 2013, vol. 2013, pp. 380–392.
- [6] I. Gibson, G. Goenka, R. Narasimhan, and N. Bhat, “Design Rules for Additive Manufacture,” in *International Solid Freeform Fabrication Symposium An Additive Manufacturing Conference*, Austin, Texas, 2010, vol. 2010, pp. 705–716.
- [7] Stratasys, Ltd., “Functional Prototyping - Living Hinges.” 2013.
- [8] J. M. Hoffman, “Care and feeding of living hinges,” *Machine Design*, vol. 76, no. 16, pp. 64, 66, 19-Aug-2004.
- [9] ASTM International., *Standard test method for tensile properties of polymer matrix composite materials*. West Conshohocken, Pa.: ASTM International, 2010.
- [10] A. S. D. 1. on M. P. ASTM Committee D-20 on Plastics., *Standard test method for tensile properties of plastics*. Philadelphia, Pa.: ASTM International, 2010.
- [11] G. Goenka, “Modeling and investigation of elastomeric properties in materials for additive manufacturing of mechanistic parts,” National University of Singapore, Singapore, 2011.
- [12] B., France, Anna Kaziunas., Shergill, Jay., Pettis, *Getting started with MakerBot*. Sebastopol, Calif.: O'Reilly, 2013.
- [13] “Interpretation of Stress-Strain Curves and Mechanical Properties of Materials.” Tinus Olsen Testing Machine Co., Inc.
- [14] CES EduPack 2013, “ABS (injection molding, platable).” Granta Design Limited, 2013.