Professor Rui M.F. Paulo

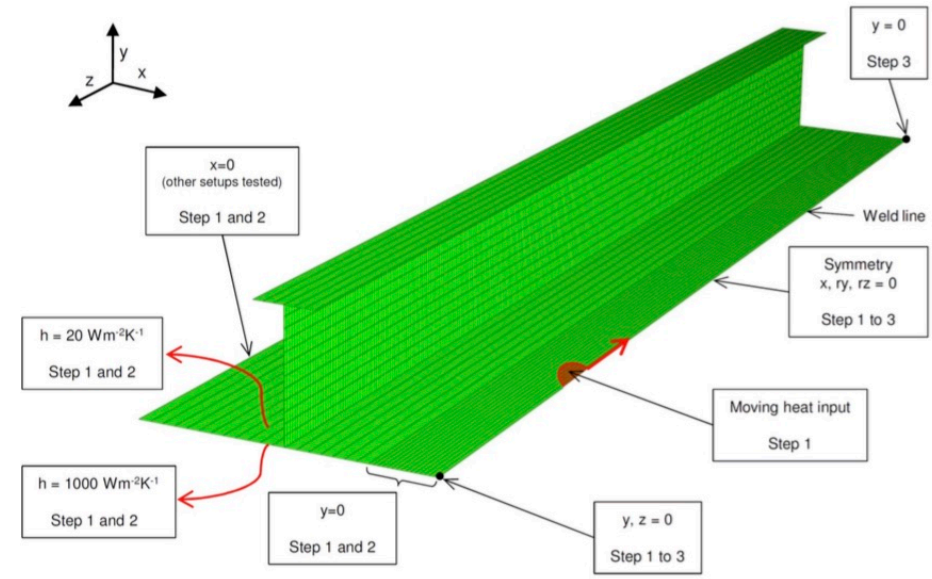

Figure 5.2: Thermal and mechanical boundary conditions for the simulation of the FSW process on the stiffened panels.

From: Rui Miguel Ferreira Paulo, "Modelling of friction stir welding processes and their influence on the structural behaviour of aluminium stiffened panels", Ph.D dissertation, Dept. of Mechanical Engineering, University of Aveiro, 2015

See:
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R.M.F. Paulo, P. Carlone, R.A.F. Valente, F. Teixeira-Dias, G.S. Palazzo, Influence of friction stir welding residual stresses on the compressive strength of aluminium alloy plates, Thin-Walled Structures, 74, 184-190, 2014.

D. Cardoso, R.M.F. Paulo and R.A.F. Valente (GRIDS Research Group, Center for Mechanical Technology and Automation, Department of Mechanical Engineering, University of Aveiro, Campus De Santiago, Aveiro, Portugal), “Numerical study and design of extruded integrally stiffened panels (ISP) for aeronautic appliations subjected to blast loading”, 11th World Congress on Computational Mechanics (WCCM XI), 5th European Conference on Computational Mechanics (ECCM V), 6th European Conference on Computational Fluid Dynamics (ECFD VI) E. Oñate, J. Oliver and A. Huerta (Eds), Barcelona, Spain, 2014

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Diogo Cardoso, Robertt Valente, R.M.F Paulo, “Numerical simulation and design of extruded integrally stiffened panels (ISP) for aeronautic applications subjected to blast loading: Sensitivity analyses to different stiffener configurations”, 2nd ECCOMAS Young Investigators Conference (YIC 2013), Sep 2013, Bordeaux, France