SESSION 3 - MODELLING TOOLS
17 . 05 . 2014

EMBALAGEM PARA COLETA DE FRUTAS: MODELAGEM PARAMÉTRICA
Ana P. Steigleder, Flávia L. Silveira, Carolina B. Pillon, Mônica T. Kern, Underléa M. Bruscato, Fábio G. Teixeira, Liane Roldo

ABSTRACT

Brazil is one of the three main fruit producers in the world. The care with the quality of fruits starts in the field. Their original attributes shall be maintained until consumption. Thus, it is proposed the development of a product not only to package food but maintain it intact. The goal of this study is to develop packaging through parametric modelling useful for the fruits harvesting. Due to the diversity of fruit sizes, and the necessity of adapting the package size for each one of the varieties, Grasshopper® application of Rhinoceros® software, it proved to be the appropriate tool to generate the algorithms of parametric models. As a result, it shows the process of developing a packaging for fruits harvesting through the use of modeling, from the conception to the prototype manufacturing.

Ana P. STEIGLEDER, Feevale(ana@anapauladesign.com.br)
Flávia L. SILVEIRA, UFRGS (silveira.f@hotmail.com)
Carolina B. PILLON, UFRGS (carolinabpillon@gmail.com)
Mônica T. KERN, UFRGS (vejofloresemvoce@gmail.com)
Underléa M. BRUSCATO, UFRGS (arq.leiab@gmail.com)
Fábio G. TEIXEIRA, UFRGS (fabio.teixeira@ufrgs.br)
Liane ROLDO, UFRGS (liane.roldo@ufrgs.br)