998-94-108 Feliu Davino Sagols* (fsagols@math.cinvestav.mx), Av. IPN No. 2508 Col. San Pedro Zacatenco, 07300 Mexico, D. F., D. F., Mexico. Facilities in e-Edita for authoring and publishing interactive mathematical materials for the Internet. Preliminary report.

Project e-Edita has been developed in the Mathematics Department at Centro de Investigación y de Estudios Avanzados del IPN. Developed for Linux, the main goal of e-Edita is the design of ontological languages for the construction of Web applications in specific domains like education, data bases, geographical information systems, electronic commerce and so on. In this talk we address the facilities for authoring and publishing mathematical interactive texts, which is one of the most important applications of e-Edita. We address tools to incorporate: latex typography in high quality images, interactive questions with semantic aids, multimedia objects and interaction with mathematical packages. We also present some examples of materials built with e-Edita. (Received February 17, 2004)