

## Abstract of Semester Work

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<b>Title of Semester Work</b>	<b>Eclipse Plug-In for Regression-Test</b>
<b>Examiner</b>	<b>T.Letsch</b>
<p><b>Abstract of semester work</b></p> <p>The following project consists of an Eclipse Plug-In for a regression test application, used in a existing aerospace project (see <a href="http://www.letsinfo.ch/sovim.html">http://www.letsinfo.ch/sovim.html</a> ). These regression tests use black block testing. In addition the test application is written in the programming language C and is running under a POSIX environment.</p> <p>Eclipse is used as IDE for developing the application subject to the tests, which are run from a bash shell within a Microsoft windows environment. It is however possible to extend Eclipse by using its plug-in framework. In general this means we have the possibility to integrate the needed regression test facility into the Eclipse IDE.</p> <p>The main goal of the presented semester work was an Eclipse Plug-In, integrating and interfacing the already existing regression test application provided by T. Letsch. Moreover the first result also consists of implementing the requirements defined in a workshop with T. Letsch. The second goal was gathering knowledge of the Eclipse Plug-In framework and the exciting experience of digging into a huge framework.</p> <p>Finally we ended up with a fully equipped Eclipse Plug-In, which covers all functionality required by T. Letsch and therefore fulfill the given conditions of a semester work at the Department of Computer Sciences Rapperswil.</p>	