This is the replication package for the paper "Using Psycho-Physiological Measures to Assess Task Difficulty in Software Development" by Thomas Fritz, Andrew Begel, Sebastian C. Müller, Serap Yigit-Elliott and Manuela Züger. In the Proceedings of ICSE. Hyderabad, India. June 2014.

The replication package consists of several folders:

* **study tasks** --- This folder contains the 8 code comprehension tasks that were used in the study
* **primer tasks** --- This folder contains the two code comprehension tasks that were used to get the study participants familiar with the study settings
* **fishtank movies** --- This folder contains the fish tank movies that were shown to the study participants to enable them to relax between tasks
* **exit questionnaire** --- This folder contains the questionnaire that the study participants completed at the end of the study
* **background questionnaire** --- This folder contains the questionnaire that the study participants filled out at the beginning of the study
* **nasa tlx sheet** --- This folder contains the NASA TLX survey sheet that the study participants filled out at the end of each task
* **study procedure** --- This folder contains a description of our experimental procedure
* **data processing and analysis** --- This folder contains a description of the data processing, cleaning and feature extraction steps which we performed