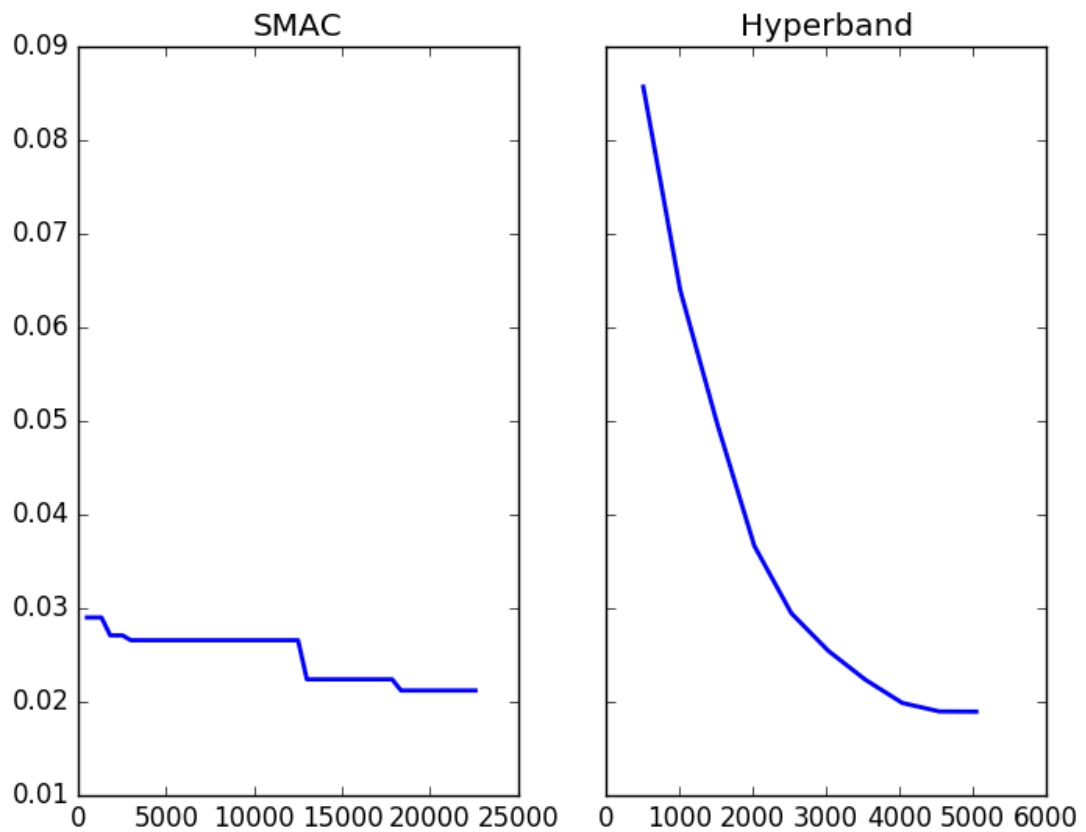


Assignment 6.

Olesya Tsapenko

As a part of the current assignment, I have implemented the configuration space from Task 1. After that I used SMAC and Hyperband for finding a good parameter configuration. The incumbent trajectory of losses on the y- axis and the estimated wall-clock time on the x-axis of the both methods can be seen at the graphics below:



Conclusions from these graphics:

- the Hyperband method is almost **twice faster** than SMAC;
- the Hyperband method is smother than SMAC;
- however, the started SMAC loss is much more smaller than Hyperband one.

The speed of Hyperband is determined by the the nature of this method (using early stopping of learning curves). On the graphics of learning curves below you can easily see it:

