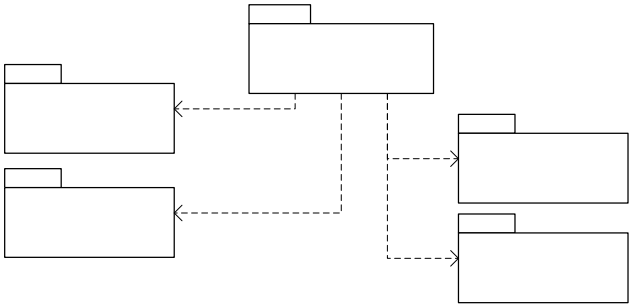
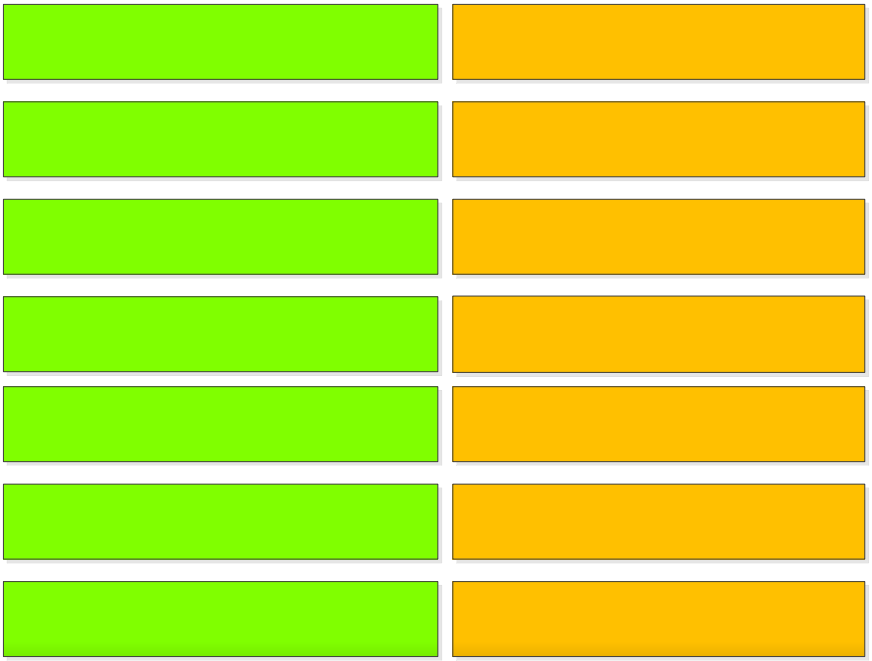
Fitting second-order acyclic Marked Markovian Arrival Processes, Sansottera A., Casale G. and Cremonesi P., Dependable Systems and Network, 2013



underlying

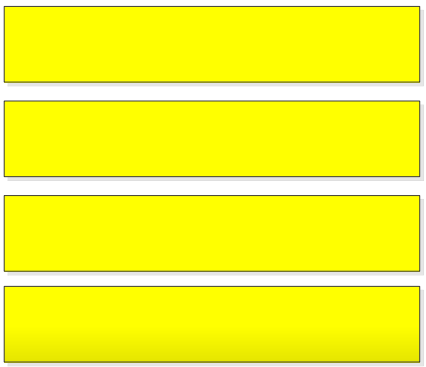


[mmap|mtrace]_pc

[mmap|mtrace]_sigma

[mmap|mtrace]_sigma2

[map|trace]_gamma



maph2m_fit_ trace

mamap2m_fit_gamma_bf_trace

mamap22_fit_gamma_fs_trace

mamap22_fit_gamma_bs_trace

mmap2m_mixture_fit_trace

mamap2m_fit_trace

_mmap

```
>> MAP = {[-1,1/3;0,-2],[2/3 0; 1/4 7/4]};
>> MMAP = {MAP{1},MAP{2},MAP{2}.* [2/3 0; 0 2/7],MAP{2}.*[1/3 0; 1 5/7]};
>> mmap_isfeasible(MMAP)
ans = 1


>> FIT = mamap2m_fit_gamma_fb_mmap(MMAP)
FIT =
    [2x2 double]    [2x2 double]    [2x2 double]    [2x2 double]




>> [T,C] = mmap_sample(MMAP,1e5);
>> FIT = mamap22_fit_gamma_fs_trace(T,C);
>> mtrace_forward_moment(T,C,1) - mmap_forward_moment(FIT,1)
ans =
   1.1102e-16
  -2.8148e-06
```