

Silvet Note Transcription - Feature #1029

Filter pitch activation matrix inside EM update

2014-07-15 11:22 AM - Chris Cannam

Status:	New	Start date:	2014-07-15
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			

Description

Currently we have a median filter of size 3 applied to the pitch matrix after EM.

Emmanouil reports quite good results with an additional, similar filter applied half-way through the EM process (once).

Experiment.

History

#1 - 2014-08-07 08:25 AM - Chris Cannam

A complication with this is in the threading structure -- the EM steps are applied in parallel (because columns are independent) while the filter operates in series. So we would need to interrupt the threaded loop, gather results, filter, distribute in parallel again.