Subject: Manipulation with 4D data in iVolume tool
Posted by Elena Nasonova on Fri, 20 Apr 2012 17:55:03 GMT

I have a set of medical data (66*66*124*40) where the 4th dimension is
a number of time frames. The goal is to visualize dynamically the 3D
data in all moments of time to detect motion of object (the heart in
case of PET cardiac data).
The problem: straightforward display of each volume set in iVolume
results in a very poor quality, noisy and without much details.
Could you please suggest how to proceed in this case? Namely, 1) how
to keep iVolume figure opened with data automatically updated when a
user manipulates with it from a command line; 2) alterations in which
parameters potentially can bring improvement in image quality; 3) does
it make sense to visualize series of 3D volumes in one window using
the loop or you would approach this problem differently? Thank you.