Subject: Re: Radon forward projection problem
Posted by Wox on Sun, 27 Apr 2008 11:16:58 GMT
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On Thu, 24 Apr 2008 12:22:44 -0400, mmiller3@iupui.edu (Michael A. Miller) wrote:

>>>> >> "Wox" == Wox <nomail@hotmail.com> writes:
>
>> Now what is OSEM doing?
>
> OSEM uses a different subset of the data for each iteration. For
> example, if you were running with 8 subsets, you'd use data from
> angles 0, 7, 15, ... for the first iteration, the data from
> angles 1, 8, 16, ... for the second iteration, 2, 9, 17, ... for
> the third and so on in order - hence the name ordered subsets EM.
> Each subset is handled using regular EM. Note that each subset
> must be a reasonably complete measurement by itself. If too many
> subset are used, the signal-to-noise in each subset will approach
> zero and the method won't do any thing useful.

Ah, so I'm using MLEM :-). However, my initial problem still stands. What should one do when FP(v) is zero in some pixels, that is in formula
v'=v * BP(s0/FP(v))/BP(s1)