Subject: Re: KMean Clustering of RGB Images Posted by Mort Canty on Wed, 09 May 2007 14:43:05 GMT

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helaha@gmx.net schrieb:

- > Hello Mort.
- > yes, the order should not play any role, but nevertheless the
- > clustering of an RGB image, implemented with the example code above
- > showed a dependency and that's my problem. I can't imagine why the
- > CLUSTER_WTS Algorithm is sensitive to the sequence order.
- > The clustering results are very stable and I think really identical,
- > if the algorithm is started several times without changing the data
- > sequence. Changing the data sequence leads to a very distinct and yet
- > again very stable clustering result. But why is there this dependency
- > on data sequence?

>

- > Many thanks,
- > Helmut

>

Yes, I get the same effect. I had difficulty following your code so I reduced it to essentials (I hope):

END

It just prints out the cluster means. On a small JPEG image they are nicely reproducible. But they should also be the same whether the TRANSPOSE function is called or not. And as you say, they aren't. I hesitate to think that there is a bug in CLUSTER_WTS, but just now I don't see an alternative explanation.

- Mort