3D Palm Classification by Global Features

From: Pei Qing <edward.qing@gmail.com>
To: Qing Pei <edwardtoday@gmail.com>
Date: Saturday, January 21, 2012 7:48:29 PM
Subject: Fwd: 3D Palm Classification by Global Features

---------- Forwarded message ----------
From: **David Zhang** <csdzhang@comp.polyu.edu.hk>
Date: Mon, Jan 9, 2012 at 2:51 PM
Subject: Re: 3D Palm Classification by Global Features
To: QING Pei <edward.qing@gmail.com>

There are two issues for me to do after our discussion today.
1) Find a completed 3D palmprint database;
Now I have been working on it.
2) Pass you some comments from Editor:
The comments are as follows:

```
What are the additional ways in which the paper could be improved: The revised version addressed most of my
concerns. Only one point is still unclear.

The description of RSVM (Section 3.3) do not report the actual mapping \phi used in the experiments. During
the first round of reviews, the answer to my question was that the mapping \phi used is the Euclidean norm
between the vectors q and d. However, this means that the vector w is composed of a single component and,
therefore, that the optimization problem (20) is pointless (only the sign of w has to be determined). In my
opinion, the RSVM method has been designed to combine several matching measures.  For instance, the paper
referenced as [18] used 38 different matching features.

Unless I missed somthing obvious, I have to conclude that RSVM has not been applied properly. In the way in
which it has been used, the ranking obtained by RSVM is equivalent to the sorting of the data according to
their Euclidean distance with respect to the query. If this is the case, RSVM could be entirely removed from
the paper.
```

Please let me know your comment.
My idea is to avoid it and make every testing are correct.
Also, I hope that you could get some results during one month.
Any problem?

David

On 17/12/2011 17:54, QING Pei wrote:

> Hi Prof. Zhang,
>
> I just started implementing the methods of the 3d palm paper.
> I can load the data with no problem and see the plotted matrix as attached.
>
> In order to find the "depth", there should be a reference plane that is horizontal. The raw data needs to be rotated so that two points with the same coordinate on z-axis have the same depth in real world. Otherwise the contour is like the pdf attached.
>
> The definition of a horizontal plane is not stated in the paper. Do you know how that is defined?
>
> Regards,
> --
> QING Pei
>
> On Tuesday, December 13, 2011 at 11:22 AM, QING Pei wrote:
>
> > Got the database and the password from Prof. Lei Zhang.

Regards,

QING Pei
edwardtoday@gmail.com
+852 6937 8386

On Dec 13, 2011, at 10:22 AM, David Zhang wrote:

> It should be okay. Please check it again? David
>
> On 12/12/2011 18:11, QING Pei wrote:
>
> > Dear David,
> >
> > The paper is received.
> >
> > But I get a "403 Forbidden" message when trying to browse http://www4.comp.polyu.edu.hk/~biometrics
> >
> > Regards,
> >
> > QING Pei
> > edwardtoday@gmail.com
> > +852 6937 8386
> >
> > On Dec 12, 2011, at 5:16 PM, David Zhang wrote:
> >
> > > On 12/12/2011 16:23, David Zhang wrote:
> > >
> > > > Do you have the time to meet with me today or tomorrow? Please call me first. David
> > > >
> > > > On 5/12/2011 12:23, Pei Qing wrote:
> > > >
> > > > > Dear David,
> > > > >
> > > > > I am confident to be able to follow the guidelines to do my best.
> > > > > I will show my research abilities in the MSc dissertation and will continue improving under your supervision.
> > > > >
> > > > > QING Pei
> > > > >
> > > > > On Mon, Dec 5, 2011 at 12:05 PM, David Zhang <csdzhang@comp.polyu.edu.hk> wrote:
> > > > >
> > > > > > However, you should do some work to show your ability later.
> > > > > > Are you sure that you could follow our guideline to do your best?
> > > > > >
> > > > > > David
> > > > > >
> > > > > > On 5/12/2011 12:03, Pei Qing wrote:
> > > > > >
> > > > > > > Dear Yinghui,
> > > > > > >
> > > > > > > I hereby confirm that I am interested in pursuing a PhD in PolyU and will be studying here if I were given an offer.
> > > > > > >
> > > > > > > Regards,
> > > > > > >
> > > > > > > QING Pei
> > > > > > >
> > > > > > > On Mon, Dec 5, 2011 at 10:35 AM, csychen <csychen@comp.polyu.edu.hk> wrote:
> > > > > > >
> > > > > > > > Dear Qing Pei,
> > > > > > > >
> > > > > > > > We have submitted your application to DRC. I am writing to let you know that our DRC meeting will hold soon, and you will be notified once the meeting finished. Please kindly confirm if you still interest in studying PhD in PolyU and if
```
```

you were given an offer, would you come for PhD study.

Regards and thanks,

Yinghui
2011-12-05

csychen

<3DP_Global_features_R4_Bob-5.doc>