

## Morph-M - Anomalie #43

### pb ppmFileWrite

12/01/2008 03:26 PM - Serge Koudoro

<b>Status:</b>	Nouveau	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	old plone Bugs	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			
<b>Description</b>			
Description:			
-----			
<p>Impossible d'enregistrer une image en ppm. On obtient l'erreur "Error in a dynamic_cast" bien que le format de l'image soit correct (couleur, 3 UINT 8). Un petit programme pour tester :</p>			
<pre>&lt;CODE&gt; #include &lt;morphee/imageIO/include/morpheelImageIO.hpp&gt; #include &lt;morphee/image/include/morpheelImage.hpp&gt; int main(int argc, char *argv[]) { morphee::ImageInterface img; morphee::RES_C res_io; std::string input_filename, output_filename; morphee::imageIO::initImageIO(); input_filename.assign(argv<sup>1</sup>); output_filename.assign(argv<sup>2</sup>); res_io = morphee::imageIO::fileRead(img, input_filename); if ( (res_io!= morphee::RES_OK)    (img==NULL) ) { std::cout &lt;&lt; "Unable to read image" &lt;&lt; std::endl; return 1; } std::cout &lt;&lt; "read image...OK" &lt;&lt; std::endl; std::cout &lt;&lt; img-&gt;getDataCategory() &lt;&lt; " " &lt;&lt; img-&gt;getDataType() &lt;&lt;std::endl; //verification du format if ( (res_io = morphee::imageIO::ppmFileWrite(img, output_filename))!= morphee::RES_OK) { //remplacer par bmpFileWrite pour voir la difference std::cout &lt;&lt; "Unable to write image " &lt;&lt; res_io &lt;&lt; std::endl; return -1; } std::cout &lt;&lt; "write image...Ok" &lt;&lt; std::endl; return 0; } &lt;/CODE&gt;</pre>			
<p><b>Certainement dans imageIO_PGM.cpp, le cast suivant ne passe pas :</b></p> <pre>const Image&lt;UINT8&gt; _imTemp = dynamic_cast&lt;const Image&lt;UINT8&gt;*&gt;(imageOut); if(!_imTemp) { MORPHEE_REGISTER_ERROR("Unable to downcast the image"); return RES_ERROR_DYNAMIC_CAST; }</pre>			
#2 13/02/2008 17:45 (Tibs)			
-----			
Change: status: "pending" -> "accepted"			
Comment:			
Je savais pas que le format ppm existait vraiment ;)			
Bon en tout cas, un dynamic cast c qd mm assez violent.			
#1 13/02/2008 14:54 (jo)			
-----			
Change: topic: "" -> "UI"			
Change: solution: "" -> "?"			
Change: title: "" -> "pb ppmFileWrite"			
Change: description: "" -> "Impossible d'enregistrer une image en ppm. On obtient l'erreur "Error in a dynamic_cast" bien que le			

format de l'image soit correct (couleur, 3 UINT 8).

Un petit programme pour tester :

<CODE>

```
#include <morphee/imageIO/include/morpheelImageIO.hpp>
```

```
#include <morphee/image/include/morpheelImage.hpp>
```

```
int main(int argc, char *argv[]) {
```

```
    morphee::ImageInterface *img;
```

```
    morphee::RES_C res_io;
```

```
    std::string input_filename, output_filename;
```

```
    morphee::imageIO::initImageIO();
```

```
    {
```

```
        MORPHEE_REGISTER_ERROR("Unable to downcast the image");
```

```
        return RES_ERROR_DYNAMIC_CAST;
```

```
    }
```

```
    "
```

```
    input_filename.assign(argv[1]);
```

```
    output_filename.assign(argv[2]);
```

```
    res_io = morphee::imageIO::fileRead(img, input_filename);
```

```
    if ( (res_io != morphee::RES_OK) || (img == NULL) ) {
```

```
        std::cout << "Unable to read image" << std::endl;
```

```
        return -1;
```

```
    }
```

```
    std::cout << "read image...OK" << std::endl;
```

```
    std::cout << img
```

```
>getDataCategory() << " " << img->getDataType() << std::endl; //verification du format
```

```
if ( (res_io = morphee::imageIO::ppmFileWrite(img, output_filename)) != morphee::RES_OK) { //remplacer par bmpFileWrite pour voir la difference
```

```
    std::cout << "Unable to write image " << res_io << std::endl;
```

```
    return -1;
```

```
    }
```

```
    std::cout << "write image...Ok" << std::endl;
```

```
    return 0;
```

```
    }
```

```
</CODE>
```

Certainement dans imageIO\_PGM.cpp, le cast suivant ne passe pas :

```
const Image<UINT8>* _imTemp = dynamic_cast<const Image<UINT8>*>(imageOut);
```

```
if(!_imTemp)
```

## History

#1 - 12/01/2008 03:36 PM - Serge Koudoro

- Category set to old plone Bugs