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ICV (Poland) = 6.630  
PIF (India) = 1.940  
IBI (India) = 4.260  
OAJI (USA) = 0.350

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Article



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## UPDATING THE POWER PDF LIBRARY FOR DELPHI XE8

**Abstract:** Power Pdf was updated in 2013-2014 but still cannot be used in DelphiXE8. The article notes the necessary corrections in the program for use in Delphi XE8.

**Key words:** Power Pdf, Delphi XE8, library.

**Language:** English

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**Scopus ASCC:** 1708.

### Introduction

PowerPdf is a VCL to create PDF document visually. Like QuickReport, you can design PDF document easily on Delphi IDE. This version was updated in 2013-2014 but still cannot be used in DelphiXE8.

Data of PowerPdf:

*PowerPdf*  
Version 0.9 (beta)  
1999-2001 Copyright (c) takeshi kanno  
[takeshi\\_kanno@est.hi-ho.ne.jp](mailto:takeshi_kanno@est.hi-ho.ne.jp)

### REQUIRES

Delphi3.0 or later.  
The non-visual unit(TPpdfDoc, TPpdfType) can be used with klix.

### CHANGES

2001.06.14 Added TPRJpegImage.  
2001.06.16 Fixed bugs of TPRImage.  
2001.06.30 Added chinese fonts(experimental).

2001.06.30 Modify FloatToStrR method for area whose decimal separator is ",".  
2001.07.07 Changed some type definition of PdfDoc.pas (for BCB).  
2001.07.07 Added TPRAnnotation.  
2001.07.21 Added TPREllipse.  
2001.07.28 Fixed bug of TPdfCanvas.SetPage.  
2001.08.01 added TPReport.PageLayout.  
2001.08.08 changed the algorithm of the free XObject name.  
2001.08.10 changed the text width routine(bugs when large font size).  
2001.08.12 changed the implementation of outlines.  
2001.08.12 changed the implementation of annotation.  
2001.08.15 added TPROutline and TPRDestination.  
2001.09.01 changed the implementation of the image.  
2001.09.08 added OpenAction function. added AlignJustified property to TPRLLabel.  
2001.09.13 added ViewerPreference functions.

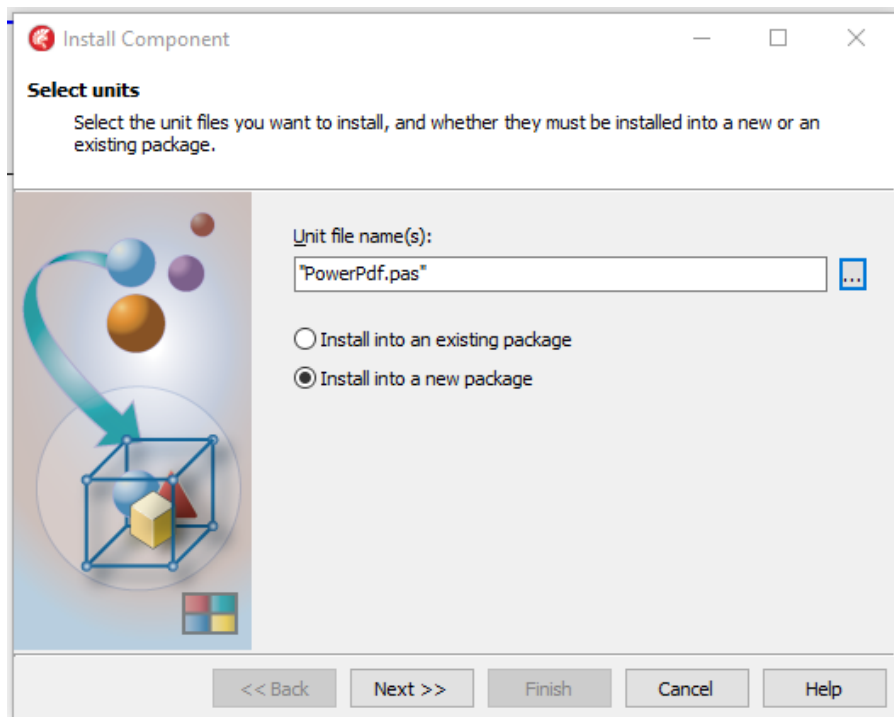
**Impact Factor:**

ISRA (India)	= 6.317	SIS (USA)	= 0.912	ICV (Poland)	= 6.630
ISI (Dubai, UAE)	= 1.582	ПИИЦ (Russia)	= 0.191	PIF (India)	= 1.940
GIF (Australia)	= 0.564	ESJI (KZ)	= 8.100	IBI (India)	= 4.260
JIF	= 1.500	SJIF (Morocco)	= 7.184	OAJI (USA)	= 0.350

PowerPDF

Имя	Размер	Дата изменения	Тип
hpp		10.09.2014 23:44	Папка с файлами
Packages		10.09.2014 23:44	Папка с файлами
Igpl.txt	23 КБ	24.04.2013 18:00	Текстовый докум...
PdfDoc.pas	76 КБ	10.09.2014 22:22	Delphi Source File
PdfFonts.pas	37 КБ	24.04.2013 18:00	Delphi Source File
PdfGBFonts.pas	7 КБ	24.04.2013 18:00	Delphi Source File
PdfImages.pas	6 КБ	10.09.2014 22:23	Delphi Source File
PdfJpCMap.pas	24 КБ	24.04.2013 18:00	Delphi Source File
PdfJpegImage.pas	3 КБ	24.04.2013 18:00	Delphi Source File
PdfJPFonTs.pas	33 КБ	24.04.2013 18:00	Delphi Source File
PdfTypes.pas	29 КБ	10.09.2014 22:32	Delphi Source File
PowerPdf.dcr	8 КБ	24.04.2013 18:00	Файл "DCR"
PowerPdf.pas	2 КБ	24.04.2013 18:00	Delphi Source File
PowerPdfRef.pdf	36 КБ	24.04.2013 18:00	Документ Adobe ...
PowerPDFVersion.i...	2 КБ	10.09.2014 23:43	Файл "INC"
PRAnnotation.pas	5 КБ	24.04.2013 18:00	Delphi Source File
PRReport.pas	64 КБ	10.09.2014 22:33	Delphi Source File
PRJpegImage.pas	3 КБ	24.04.2013 18:00	Delphi Source File
readme.txt	4 КБ	24.04.2013 18:00	Текстовый докум...

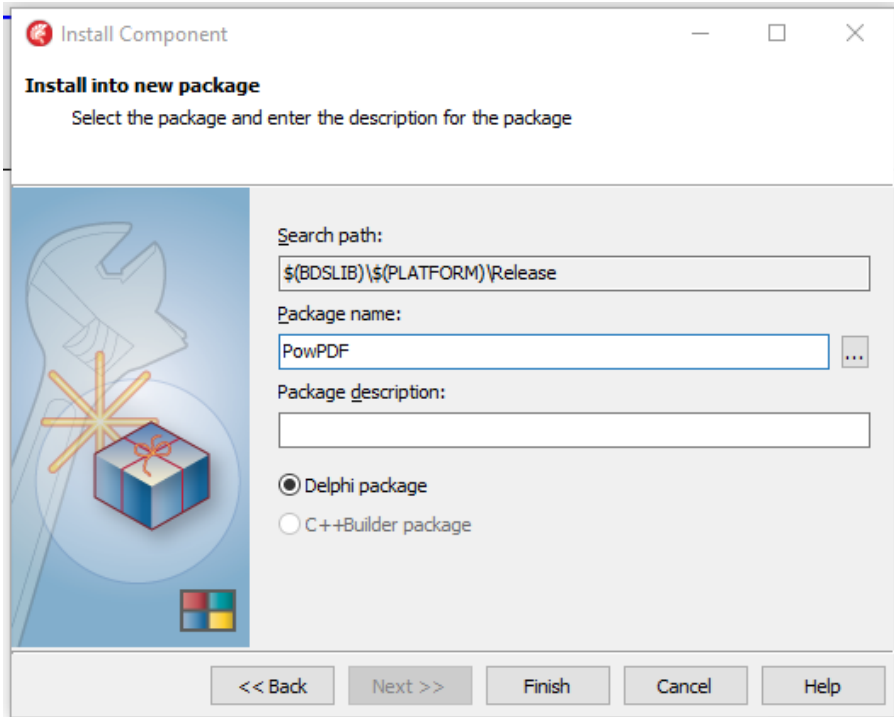
Picture 1 – Power Pdf files.



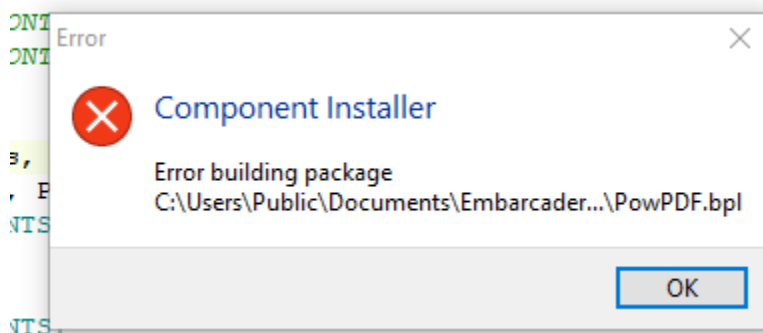
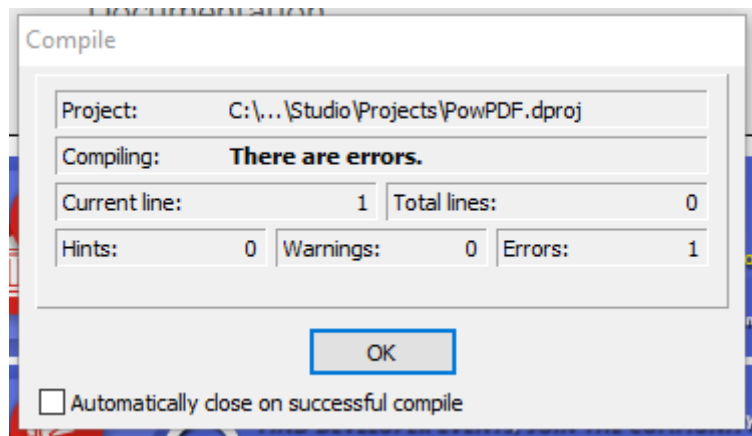
Picture 2 – Install component.

**Impact Factor:**

ISRA (India)	= 6.317	SIS (USA)	= 0.912	ICV (Poland)	= 6.630
ISI (Dubai, UAE)	= 1.582	ПИИЦ (Russia)	= 0.191	PIF (India)	= 1.940
GIF (Australia)	= 0.564	ESJI (KZ)	= 8.100	IBI (India)	= 4.260
JIF	= 1.500	SJIF (Morocco)	= 7.184	OAJI (USA)	= 0.350



Picture 3 – Package name.



Picture 4 – Error #1.

<b>Impact Factor:</b>	ISRA (India) = 6.317	SIS (USA) = 0.912	ICV (Poland) = 6.630
	ISI (Dubai, UAE) = 1.582	ПИИИ (Russia) = 0.191	PIF (India) = 1.940
	GIF (Australia) = 0.564	ESJI (KZ) = 8.100	IBI (India) = 4.260
	JIF = 1.500	SJIF (Morocco) = 7.184	OAJI (USA) = 0.350

interface

```

//{{$DEFINE USE_JPFFONTS}
//{{$DEFINE USE_GBFFONTS}

```

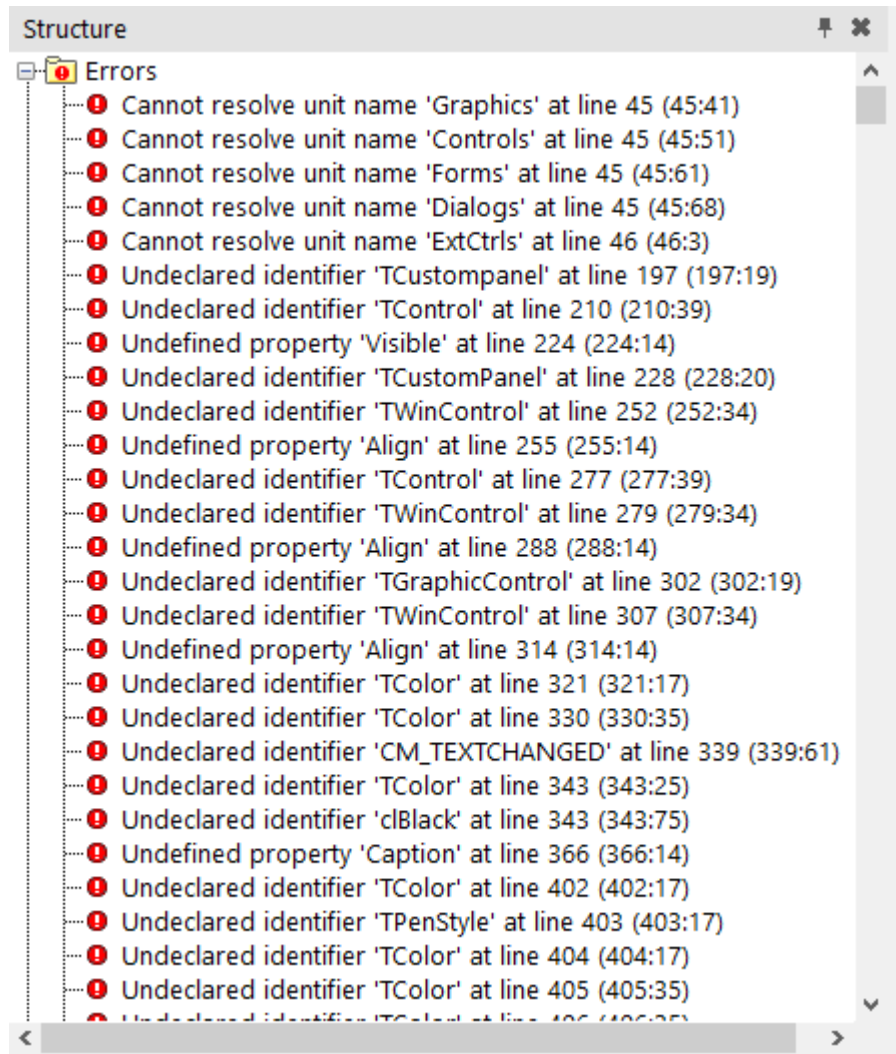
uses

```

Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
ExtCtrls, PdfDoc, PdfFonts, PdfTypes, PdfImages
{$IFDEF USE_JPFFONTS}
, PdfJPFonts
{$ENDIF}
{$IFDEF USE_GBFFONTS}
, PdfGBFonts
{$ENDIF}
;

```

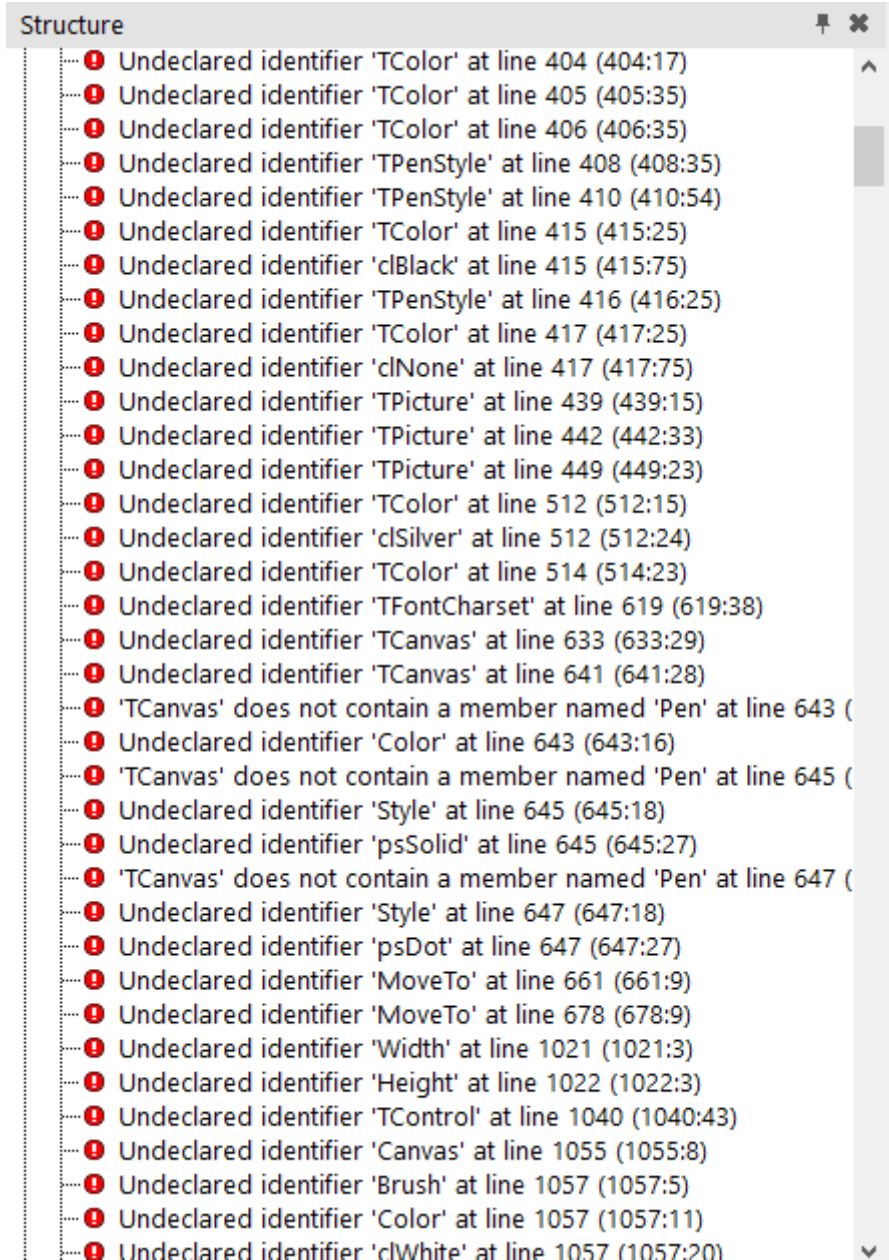
Picture 5 – Code of error.



Picture 6 – List of errors.

**Impact Factor:**

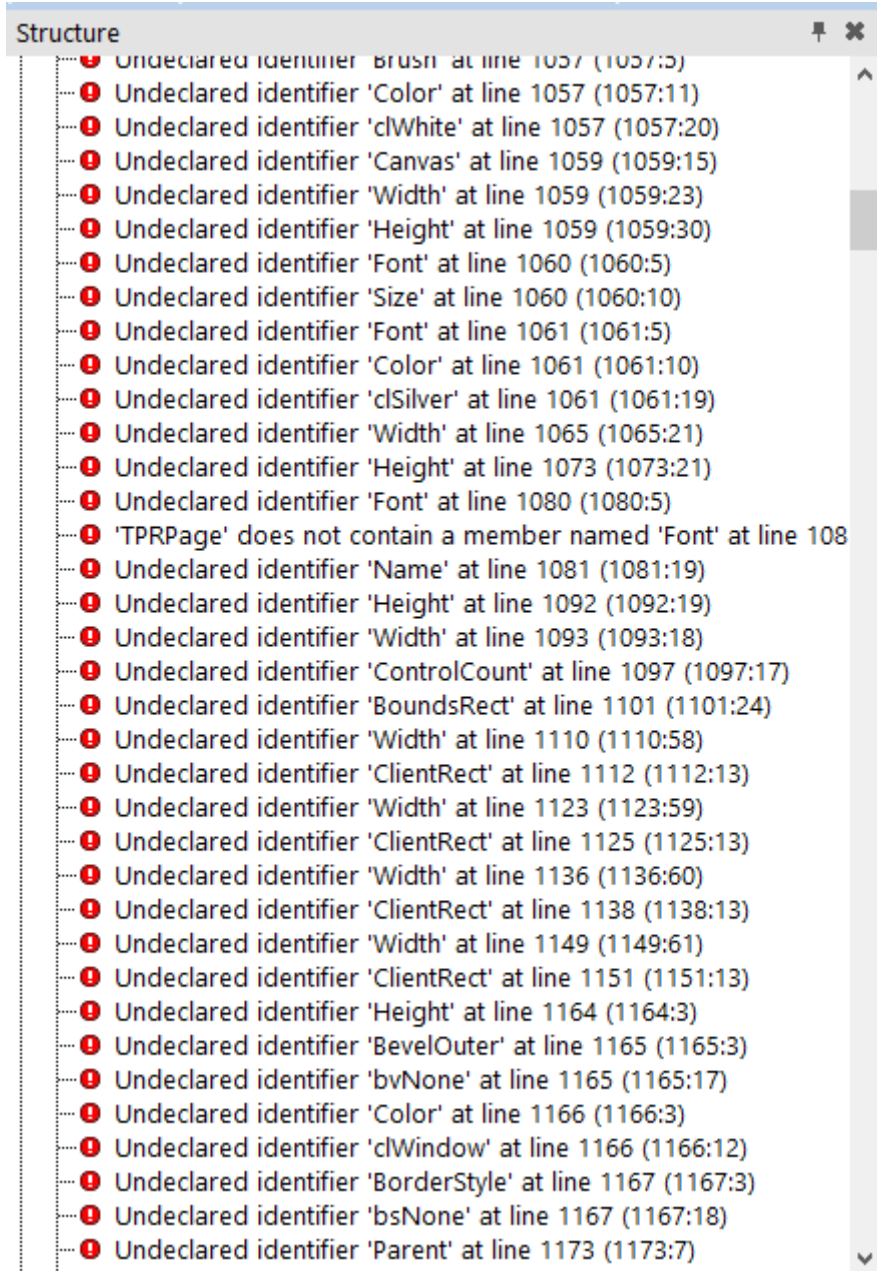
<b>ISRA</b> (India) = <b>6.317</b>	<b>SIS</b> (USA) = <b>0.912</b>	<b>ICV</b> (Poland) = <b>6.630</b>
<b>ISI</b> (Dubai, UAE) = <b>1.582</b>	<b>PIHLI</b> (Russia) = <b>0.191</b>	<b>PIF</b> (India) = <b>1.940</b>
<b>GIF</b> (Australia) = <b>0.564</b>	<b>ESJI</b> (KZ) = <b>8.100</b>	<b>IBI</b> (India) = <b>4.260</b>
<b>JIF</b> = <b>1.500</b>	<b>SJIF</b> (Morocco) = <b>7.184</b>	<b>OAJI</b> (USA) = <b>0.350</b>



Picture 7 – List of errors.

**Impact Factor:**

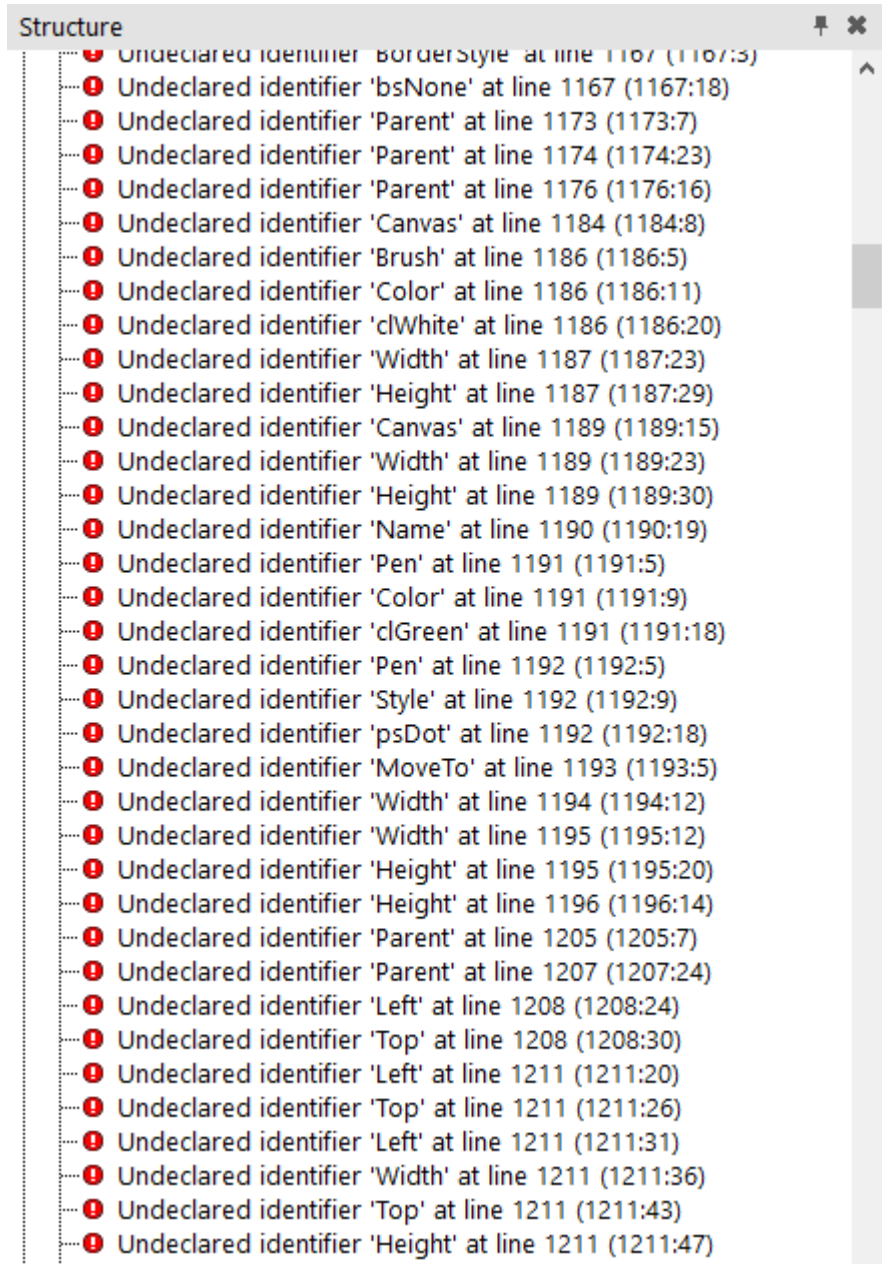
<b>ISRA</b> (India) = <b>6.317</b>	<b>SIS</b> (USA) = <b>0.912</b>	<b>ICV</b> (Poland) = <b>6.630</b>
<b>ISI</b> (Dubai, UAE) = <b>1.582</b>	<b>PIHLI</b> (Russia) = <b>0.191</b>	<b>PIF</b> (India) = <b>1.940</b>
<b>GIF</b> (Australia) = <b>0.564</b>	<b>ESJI</b> (KZ) = <b>8.100</b>	<b>IBI</b> (India) = <b>4.260</b>
<b>JIF</b> = <b>1.500</b>	<b>SJIF</b> (Morocco) = <b>7.184</b>	<b>OAJI</b> (USA) = <b>0.350</b>



Picture 8 – List of errors.

**Impact Factor:**

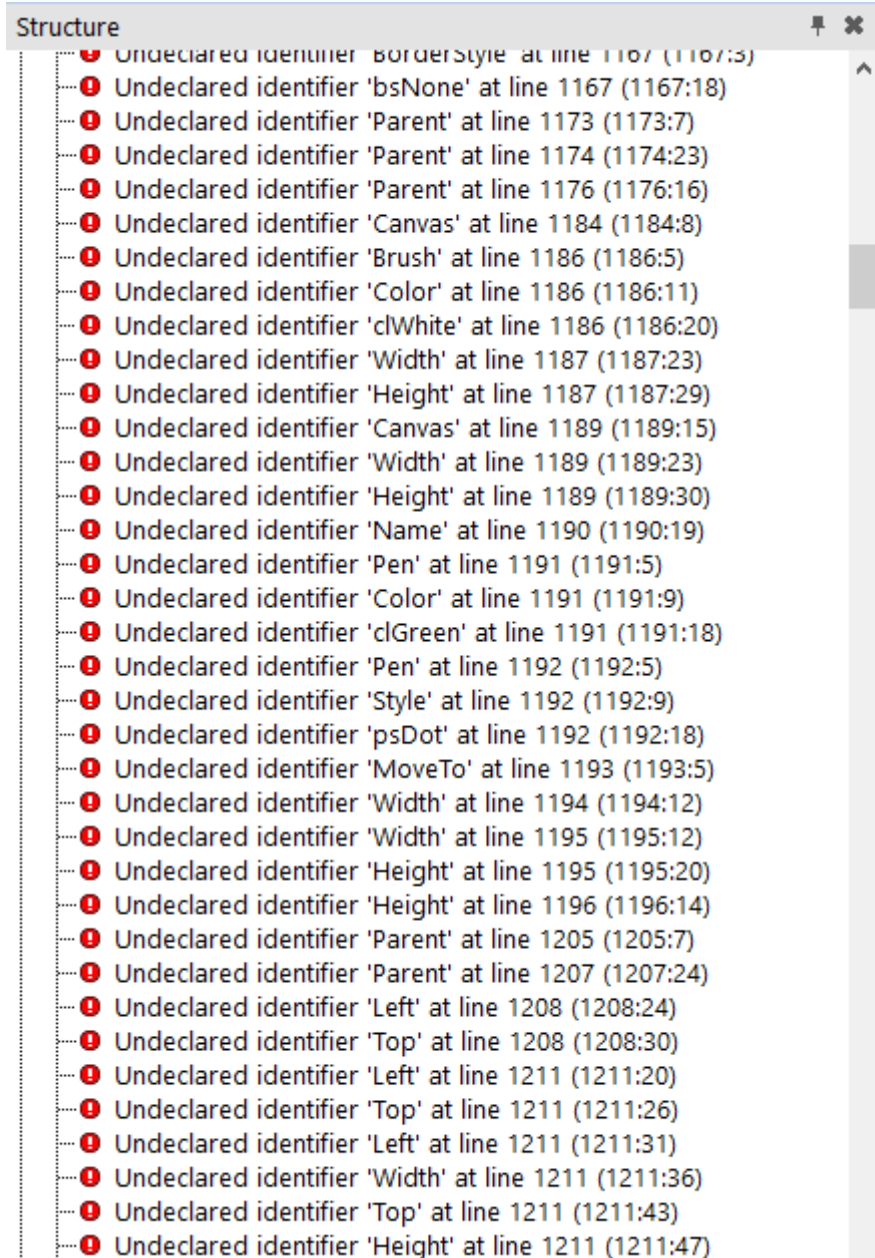
<b>ISRA (India)</b> = <b>6.317</b>	<b>SIS (USA)</b> = <b>0.912</b>	<b>ICV (Poland)</b> = <b>6.630</b>
<b>ISI (Dubai, UAE)</b> = <b>1.582</b>	<b>ПИИЦ (Russia)</b> = <b>0.191</b>	<b>PIF (India)</b> = <b>1.940</b>
<b>GIF (Australia)</b> = <b>0.564</b>	<b>ESJI (KZ)</b> = <b>8.100</b>	<b>IBI (India)</b> = <b>4.260</b>
<b>JIF</b> = <b>1.500</b>	<b>SJIF (Morocco)</b> = <b>7.184</b>	<b>OAJI (USA)</b> = <b>0.350</b>



Picture 9 – List of errors.

**Impact Factor:**

<b>ISRA</b> (India) = <b>6.317</b>	<b>SIS</b> (USA) = <b>0.912</b>	<b>ICV</b> (Poland) = <b>6.630</b>
<b>ISI</b> (Dubai, UAE) = <b>1.582</b>	<b>ПИИИ</b> (Russia) = <b>0.191</b>	<b>PIF</b> (India) = <b>1.940</b>
<b>GIF</b> (Australia) = <b>0.564</b>	<b>ESJI</b> (KZ) = <b>8.100</b>	<b>IBI</b> (India) = <b>4.260</b>
<b>JIF</b> = <b>1.500</b>	<b>SJIF</b> (Morocco) = <b>7.184</b>	<b>OAJI</b> (USA) = <b>0.350</b>

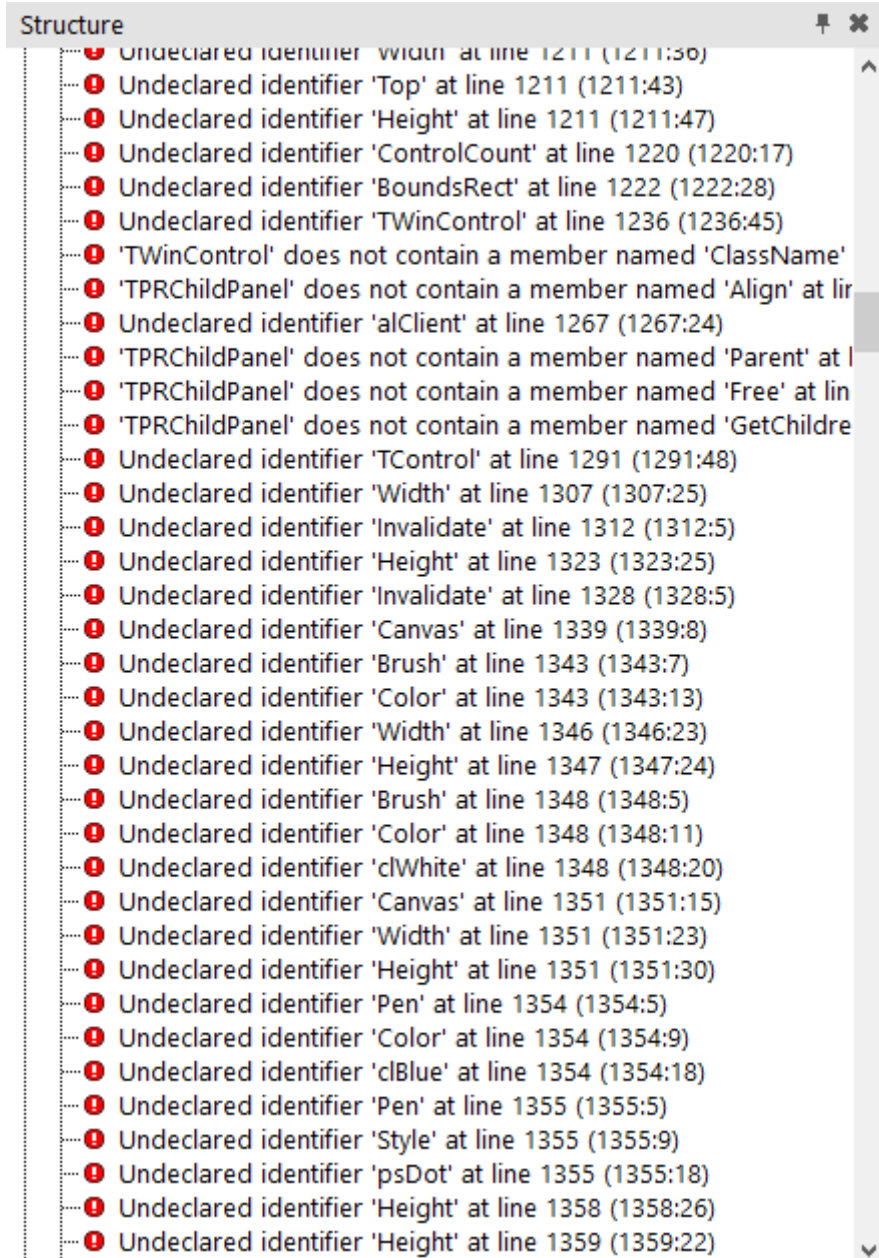


Picture 10 – List of errors.



**Impact Factor:**

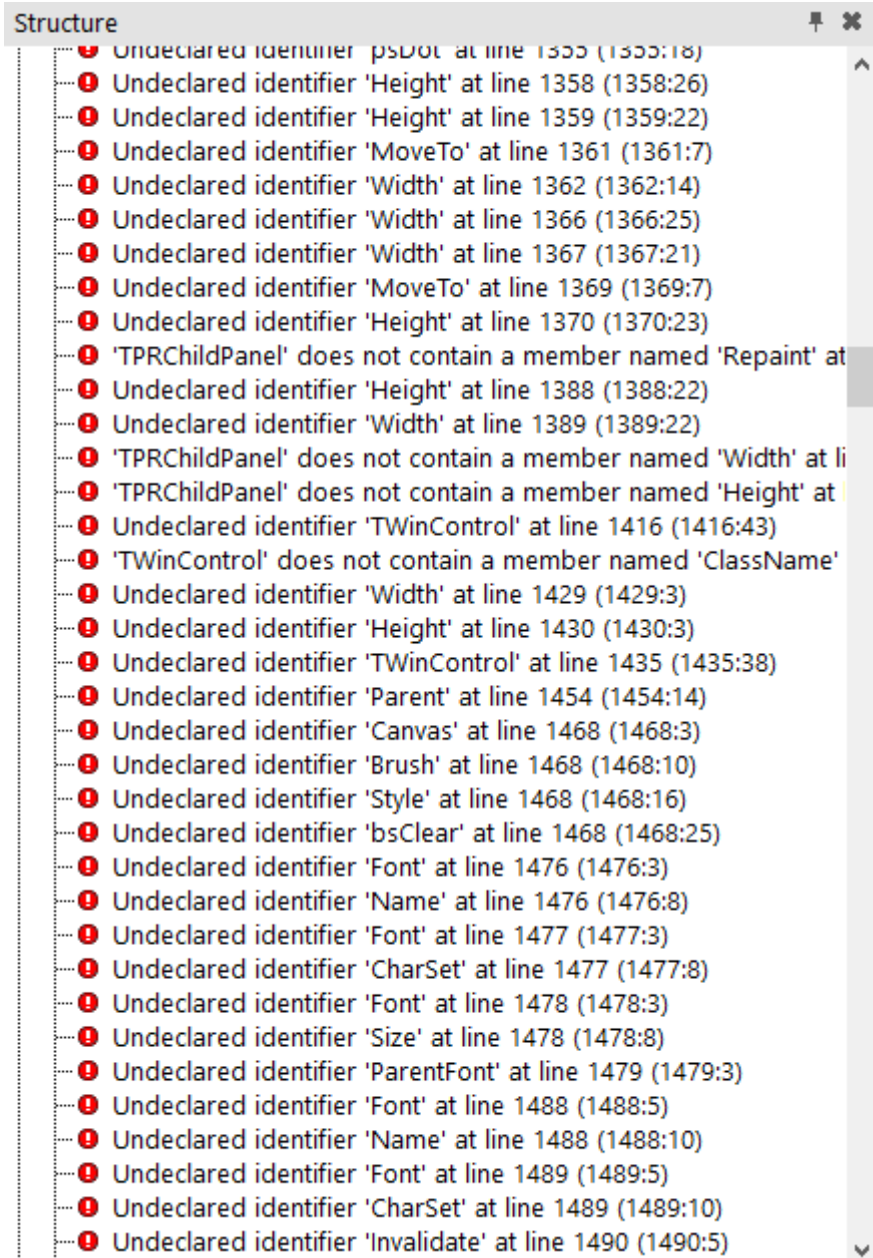
ISRA (India)	= 6.317	SIS (USA)	= 0.912	ICV (Poland)	= 6.630
ISI (Dubai, UAE)	= 1.582	ПИИИ (Russia)	= 0.191	PIF (India)	= 1.940
GIF (Australia)	= 0.564	ESJI (KZ)	= 8.100	IBI (India)	= 4.260
JIF	= 1.500	SJIF (Morocco)	= 7.184	OAJI (USA)	= 0.350



Picture 11 – List of errors.

**Impact Factor:**

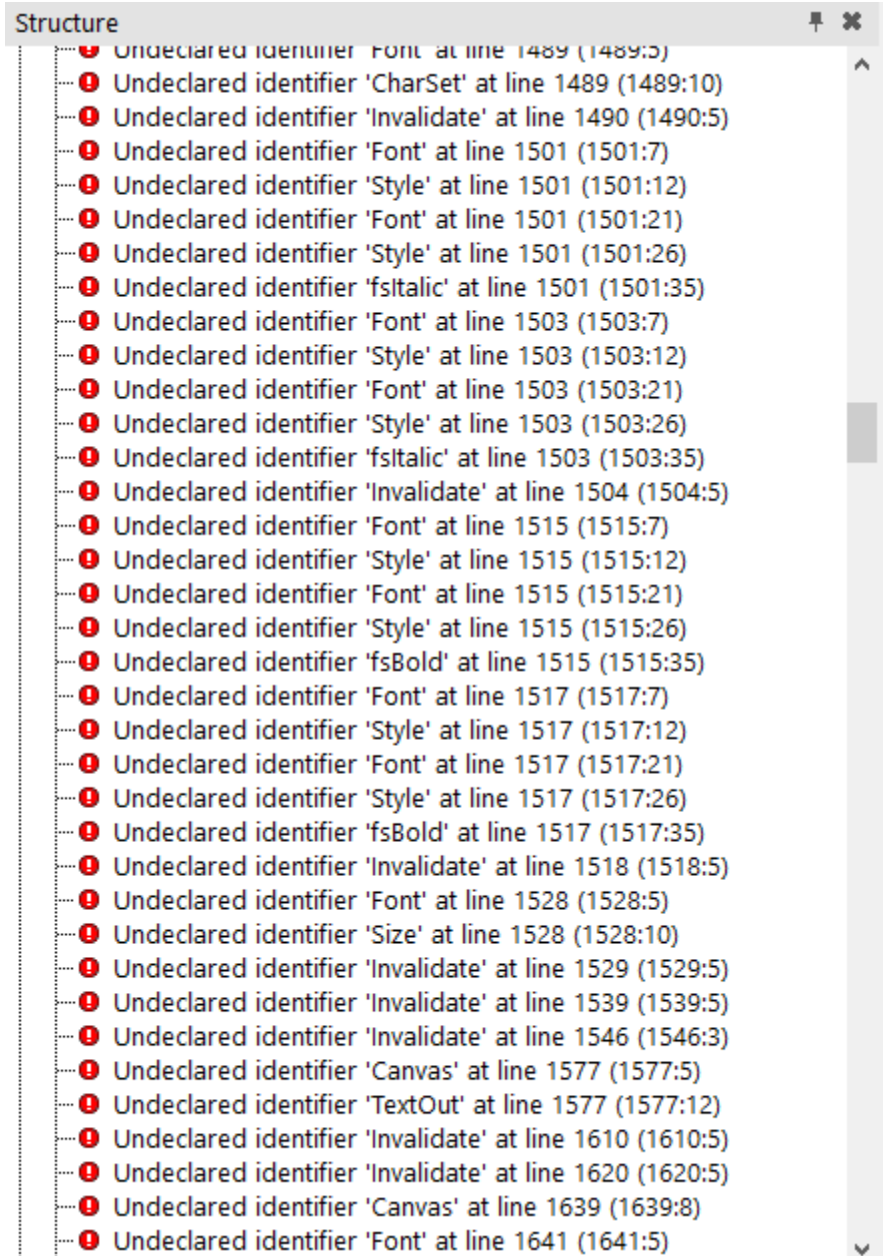
<b>ISRA</b> (India) = <b>6.317</b>	<b>SIS</b> (USA) = <b>0.912</b>	<b>ICV</b> (Poland) = <b>6.630</b>
<b>ISI</b> (Dubai, UAE) = <b>1.582</b>	<b>ПИИИ</b> (Russia) = <b>0.191</b>	<b>PIF</b> (India) = <b>1.940</b>
<b>GIF</b> (Australia) = <b>0.564</b>	<b>ESJI</b> (KZ) = <b>8.100</b>	<b>IBI</b> (India) = <b>4.260</b>
<b>JIF</b> = <b>1.500</b>	<b>SJIF</b> (Morocco) = <b>7.184</b>	<b>OAJI</b> (USA) = <b>0.350</b>



Picture 12 – List of errors.

**Impact Factor:**

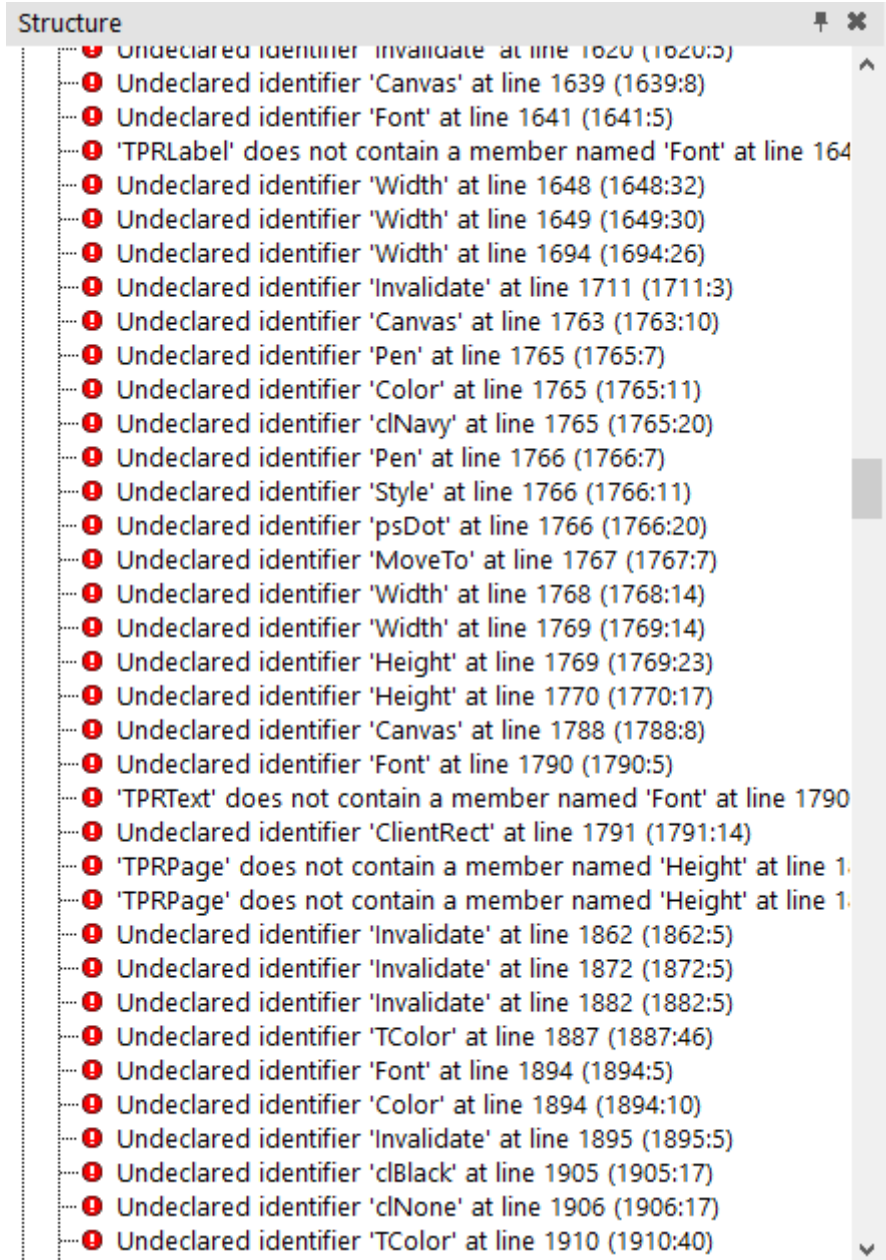
<b>ISRA</b> (India) = <b>6.317</b>	<b>SIS</b> (USA) = <b>0.912</b>	<b>ICV</b> (Poland) = <b>6.630</b>
<b>ISI</b> (Dubai, UAE) = <b>1.582</b>	<b>ПИИИ</b> (Russia) = <b>0.191</b>	<b>PIF</b> (India) = <b>1.940</b>
<b>GIF</b> (Australia) = <b>0.564</b>	<b>ESJI</b> (KZ) = <b>8.100</b>	<b>IBI</b> (India) = <b>4.260</b>
<b>JIF</b> = <b>1.500</b>	<b>SJIF</b> (Morocco) = <b>7.184</b>	<b>OAJI</b> (USA) = <b>0.350</b>



Picture 13 – List of errors.

**Impact Factor:**

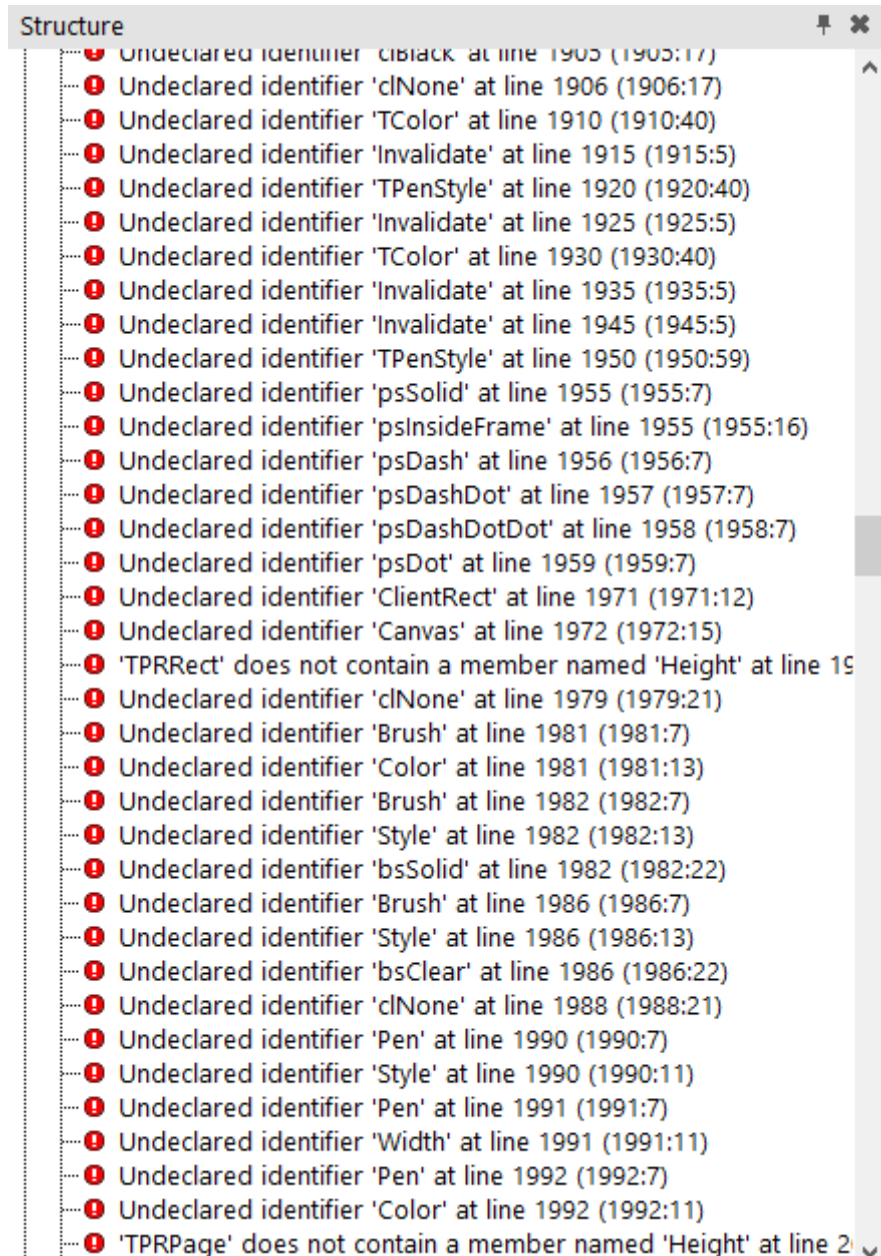
<b>ISRA</b> (India) = <b>6.317</b>	<b>SIS</b> (USA) = <b>0.912</b>	<b>ICV</b> (Poland) = <b>6.630</b>
<b>ISI</b> (Dubai, UAE) = <b>1.582</b>	<b>ПИИИ</b> (Russia) = <b>0.191</b>	<b>PIF</b> (India) = <b>1.940</b>
<b>GIF</b> (Australia) = <b>0.564</b>	<b>ESJI</b> (KZ) = <b>8.100</b>	<b>IBI</b> (India) = <b>4.260</b>
<b>JIF</b> = <b>1.500</b>	<b>SJIF</b> (Morocco) = <b>7.184</b>	<b>OAJI</b> (USA) = <b>0.350</b>



Picture 14 – List of errors.

**Impact Factor:**

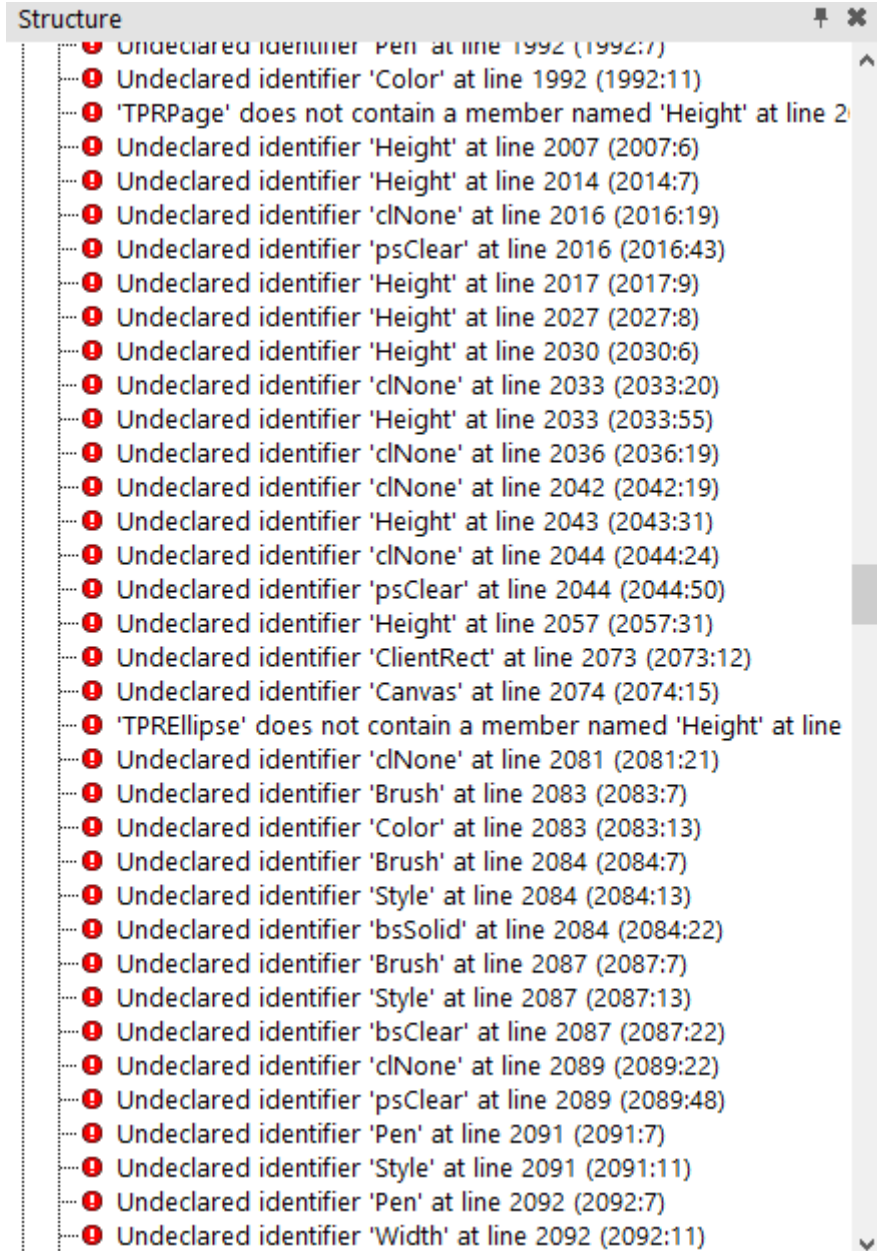
<b>ISRA (India)</b> = <b>6.317</b>	<b>SIS (USA)</b> = <b>0.912</b>	<b>ICV (Poland)</b> = <b>6.630</b>
<b>ISI (Dubai, UAE)</b> = <b>1.582</b>	<b>ПИИИ (Russia)</b> = <b>0.191</b>	<b>PIF (India)</b> = <b>1.940</b>
<b>GIF (Australia)</b> = <b>0.564</b>	<b>ESJI (KZ)</b> = <b>8.100</b>	<b>IBI (India)</b> = <b>4.260</b>
<b>JIF</b> = <b>1.500</b>	<b>SJIF (Morocco)</b> = <b>7.184</b>	<b>OAJI (USA)</b> = <b>0.350</b>



Picture 15 – List of errors.

**Impact Factor:**

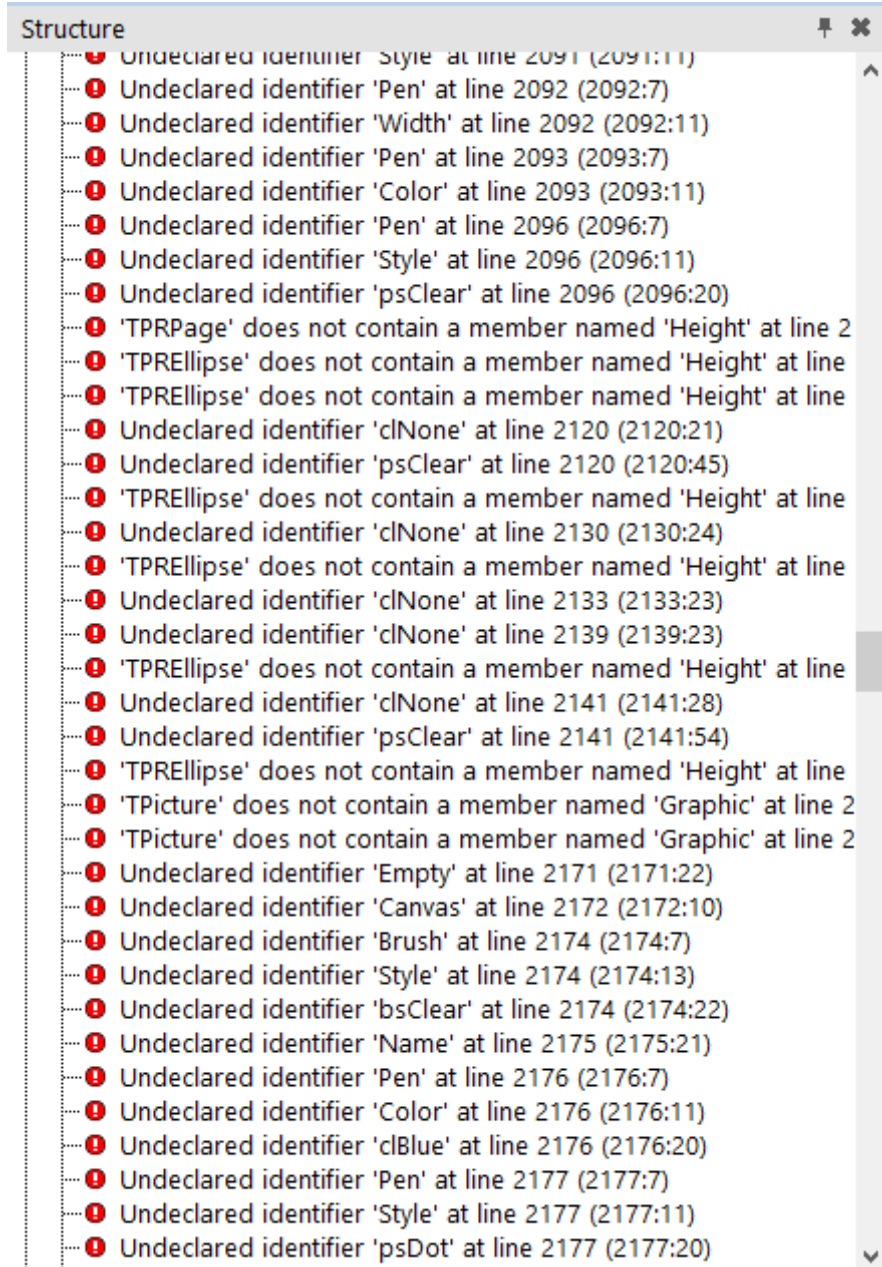
ISRA (India)	= 6.317	SIS (USA)	= 0.912	ICV (Poland)	= 6.630
ISI (Dubai, UAE)	= 1.582	ПИИИ (Russia)	= 0.191	PIF (India)	= 1.940
GIF (Australia)	= 0.564	ESJI (KZ)	= 8.100	IBI (India)	= 4.260
JIF	= 1.500	SJIF (Morocco)	= 7.184	OAJI (USA)	= 0.350



Picture 16 – List of errors.

**Impact Factor:**

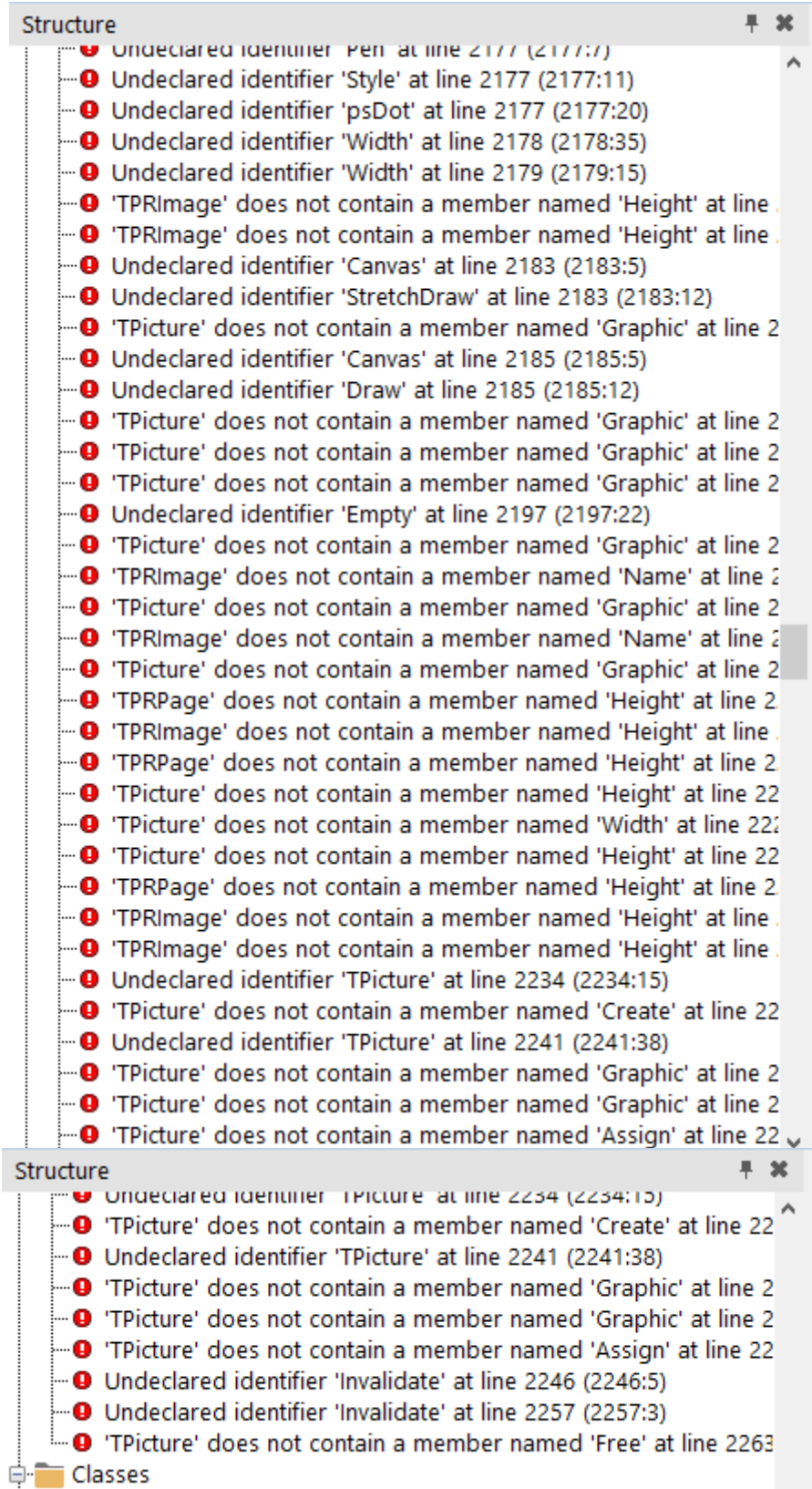
<b>ISRA</b> (India) = <b>6.317</b>	<b>SIS</b> (USA) = <b>0.912</b>	<b>ICV</b> (Poland) = <b>6.630</b>
<b>ISI</b> (Dubai, UAE) = <b>1.582</b>	<b>ПИИИ</b> (Russia) = <b>0.191</b>	<b>PIF</b> (India) = <b>1.940</b>
<b>GIF</b> (Australia) = <b>0.564</b>	<b>ESJI</b> (KZ) = <b>8.100</b>	<b>IBI</b> (India) = <b>4.260</b>
<b>JIF</b> = <b>1.500</b>	<b>SJIF</b> (Morocco) = <b>7.184</b>	<b>OAJI</b> (USA) = <b>0.350</b>



Picture 17 – List of errors.

**Impact Factor:**

ISRA (India)	= 6.317	SIS (USA)	= 0.912	ICV (Poland)	= 6.630
ISI (Dubai, UAE)	= 1.582	PIHLI (Russia)	= 0.191	PIF (India)	= 1.940
GIF (Australia)	= 0.564	ESJI (KZ)	= 8.100	IBI (India)	= 4.260
JIF	= 1.500	SJIF (Morocco)	= 7.184	OAJI (USA)	= 0.350



Picture 18 – List of errors.



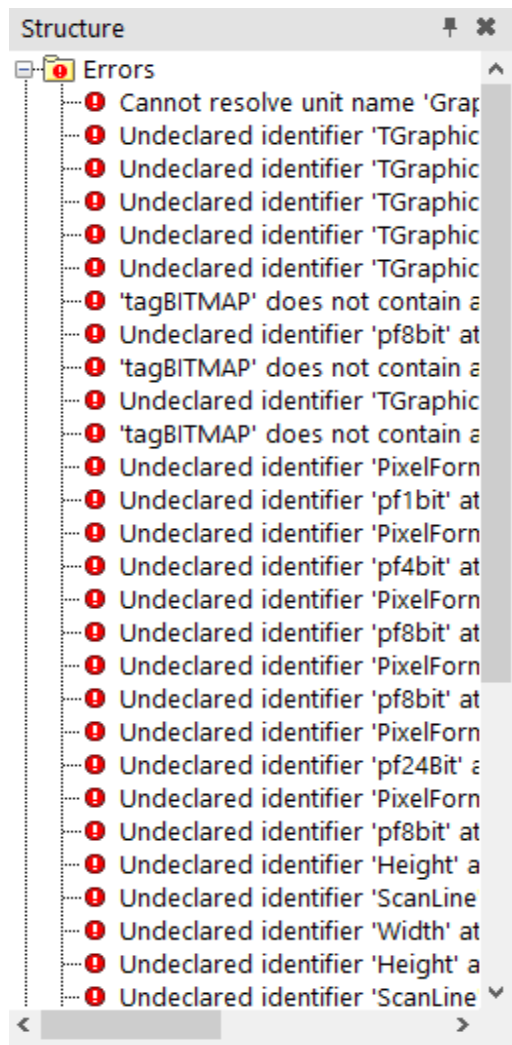
**Impact Factor:**

ISRA (India) = 6.317	SIS (USA) = 0.912	ICV (Poland) = 6.630
ISI (Dubai, UAE) = 1.582	ПИИИ (Russia) = 0.191	PIF (India) = 1.940
GIF (Australia) = 0.564	ESJI (KZ) = 8.100	IBI (India) = 4.260
JIF = 1.500	SJIF (Morocco) = 7.184	OAJI (USA) = 0.350

```
Welcome Page | PReport | Pdfimages
* along with this library.
*
20 * 2001.03.14 Create.
* 2001.07.30 Implemented Indexed color image.
* 2001.08.26 changed some definations and methods to work with kylix.
* 2001.09.01 changed the implementation of the image.
*
* )
unit PdfImages;
27
interface
uses
30 SysUtils, Windows, Graphics, Classes, PdfTypes, PdfDoc;

type
TPdfImageCreator = class(TPersistent)
public
function CreateImage(AImage: TGraphic): TPdfImage; virtual;
end;
```

Picture 19 – PdfImages wrong uses.



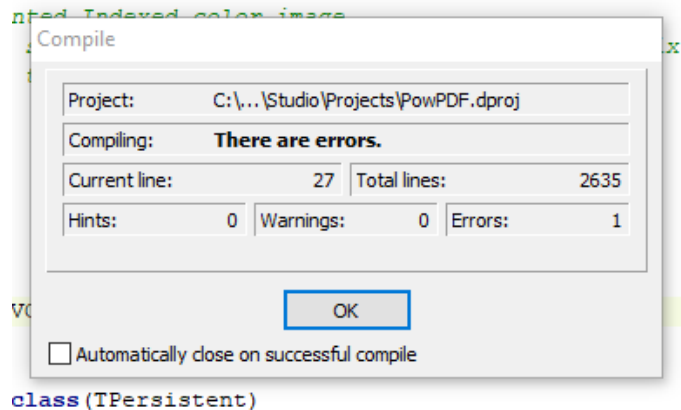
Picture 20 – List of errors.

## Impact Factor:

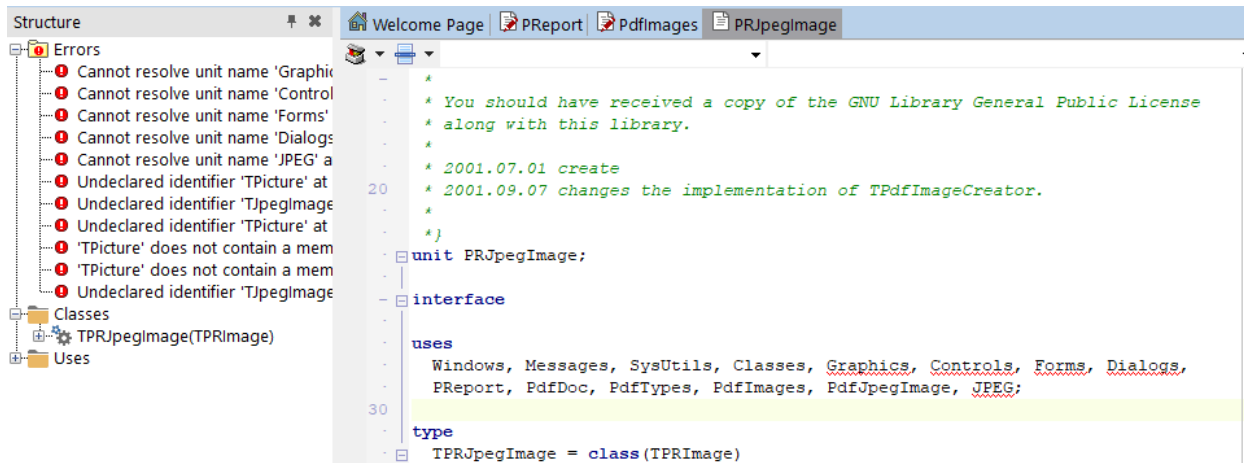
ISRA (India)	= 6.317	SIS (USA)	= 0.912	ICV (Poland)	= 6.630
ISI (Dubai, UAE)	= 1.582	ПИИИ (Russia)	= 0.191	PIF (India)	= 1.940
GIF (Australia)	= 0.564	ESJI (KZ)	= 8.100	IBI (India)	= 4.260
JIF	= 1.500	SJIF (Morocco)	= 7.184	OAJI (USA)	= 0.350

```
*)
unit PdfImages;
interface
uses
30 SysUtils, Windows, VCL.Graphics, Classes, PdfTypes, PdfDoc;
31
type
TPdfImageCreator = class(TPersistent)
public
function CreateImage(AImage: TGraphic): TPdfImage; virtual;
end;
```

Picture 21 – Correct uses.



Picture 22 – Error #2.



Picture 23 – PRJpegImage wrong uses.

<b>Impact Factor:</b>	ISRA (India) = 6.317	SIS (USA) = 0.912	ICV (Poland) = 6.630
	ISI (Dubai, UAE) = 1.582	ПИИИ (Russia) = 0.191	PIF (India) = 1.940
	GIF (Australia) = 0.564	ESJI (KZ) = 8.100	IBI (India) = 4.260
	JIF = 1.500	SJIF (Morocco) = 7.184	OAJI (USA) = 0.350

```

- interface
-
- uses
28 Windows, Messages, SysUtils, Classes, VCL.Graphics, VCL.Controls, VCL.Forms, VCL.Dialogs,
  PReport, PdfDoc, PdfTypes, PdfImages, PdfJpegImage, JPEG;
30
- type
- TPRJpegImage = class(TPImage)
- protected
- procedure SetPicture(Value: TPicture): override;

```

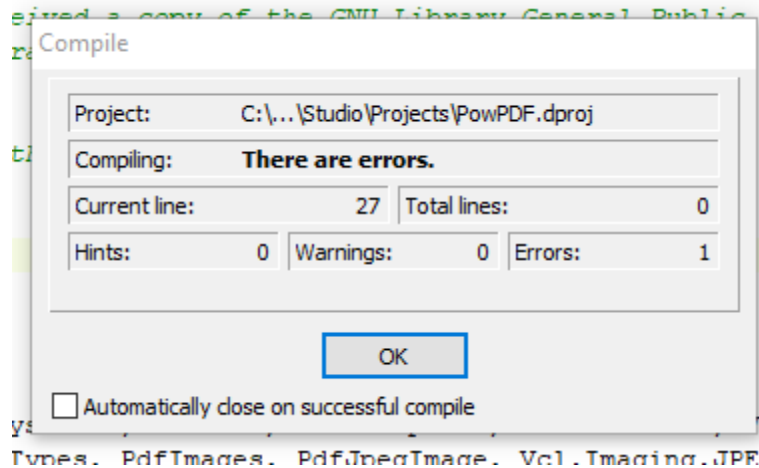
Picture 24 – Correct uses.

```

- interface
-
- uses
  Windows, Messages, SysUtils, Classes, VCL.Graphics, VCL.Controls, VCL.Forms, VCL.Dialogs,
  PReport, PdfDoc, PdfTypes, PdfImages, PdfJpegImage, Vcl.Imaging.JPEG;
30
- type
- TPRJpegImage = class(TPImage)
- protected
34 procedure SetPicture(Value: TPicture); override;

```

Picture 25 – Correct uses JPEG.



Picture 26 – Error #3.

```

- *)
- unit PdfJpegImage;
-
- interface
-
- uses
  SysUtils, Classes, Graphics, PdfTypes, PdfDoc, PdfImages, JPEG;
30
- type
- { TPdfJpegImage }

```

Picture 27 – PdfJpegImage wrong uses.

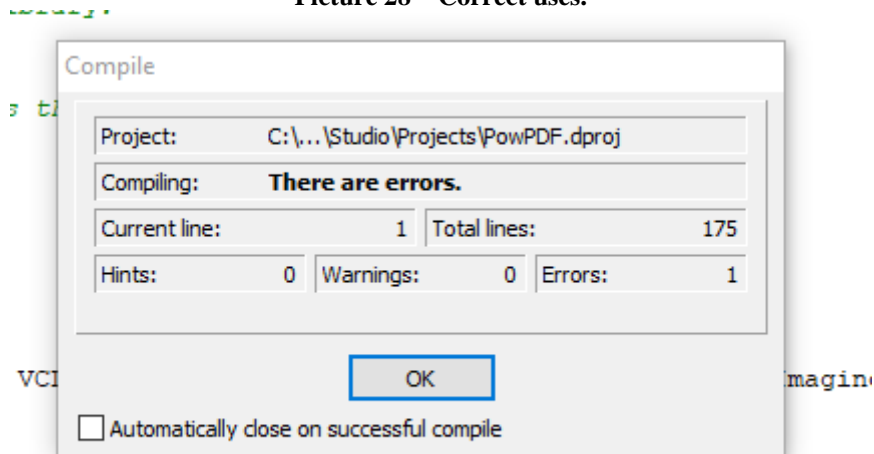
<b>Impact Factor:</b>	ISRA (India) = 6.317	SIS (USA) = 0.912	ICV (Poland) = 6.630
	ISI (Dubai, UAE) = 1.582	ПИИИ (Russia) = 0.191	PIF (India) = 1.940
	GIF (Australia) = 0.564	ESJI (KZ) = 8.100	IBI (India) = 4.260
	JIF = 1.500	SJIF (Morocco) = 7.184	OAJI (USA) = 0.350

```

Welcome Page | PReport | Pdfimages | PRJpegImage | PdfJpegImage
- *
- * You should have received a copy of the GNU Library General Public License
- * along with this library.
- *
- * 2001.06.14 create
20 * 2001.09.07 changes the implementation of TPdfImageCreator.
- *
- *}
- unit PdfJpegImage;
- interface
- uses
28 SysUtils, Classes, VCL.Graphics, PdfTypes, PdfDoc, PdfImages, Vcl.Imaging.JPEG;
- type
30 type
- { TPdfJpegImage }
- TPdfJpegImage = class(TPdfImageCreator)

```

Picture 28 – Correct uses.



```

class(TPdfImageCreator)

```

Picture 29 – Error #4.

```

Structure | Welcome Page | PReport | Pdfimages | PRJpegImage | PdfJpegImage | PRAnnotation
Errors
- Cannot resolve unit name 'Graphics'
- Cannot resolve unit name 'Controls'
- Cannot resolve unit name 'Forms'
- Cannot resolve unit name 'Dialogs'
- Undeclared identifier 'CM_TEXTCH...'
- Undeclared identifier 'clWindow' a...
- Undeclared identifier 'clYellow' at ...
- Undeclared identifier 'fsBold' at li...
Classes
- TPRAnnotation(TPRItem)
- FLines: TStringList
- FOpened: boolean
- SetLines(Value: TStringList)
- GetLines: TStringList
- SetText(Value: string)
- GetText: string
- Protected
- *
- * You should have received a copy of the GNU Library General Public License
- * along with this library.
- *
- * 2001.07.07 Create
20 * 2001.08.12 Changed the implementation of annotation.
- *
- *}
- unit PRAnnotation;
- interface
- uses
28 Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
- PReport, PdfDoc, PdfFonts, PdfTypes;
- type
30 type

```

Picture 30 – PRAnnotation wrong uses.

<b>Impact Factor:</b>	ISRA (India) = 6.317	SIS (USA) = 0.912	ICV (Poland) = 6.630
	ISI (Dubai, UAE) = 1.582	ПИИИ (Russia) = 0.191	PIF (India) = 1.940
	GIF (Australia) = 0.564	ESJI (KZ) = 8.100	IBI (India) = 4.260
	JIF = 1.500	SJIF (Morocco) = 7.184	OAJI (USA) = 0.350

```

unit PRAnnotation;
interface
uses
  Windows, Messages, SysUtils, Classes, VCL.Graphics, VCL.Controls, VCL.Forms, VCL.Dialogs,
  PReport, PdfDoc, PdfFonts, PdfTypes;
type
  TPRAnnotation = class(TPItem)
  private
    FLines: TStrings;
  end;

```

Picture 31 – Correct uses.



Picture 32 – Success of loading library Power PDF.

### Conclusion

After all the corrections, the library PowerPdf was uploaded to DelphiXE8, and can be used in the programs.

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<b>Impact Factor:</b>	<b>ISRA (India) = 6.317</b>	<b>SIS (USA) = 0.912</b>	<b>ICV (Poland) = 6.630</b>
	<b>ISI (Dubai, UAE) = 1.582</b>	<b>ПИИЦ (Russia) = 0.191</b>	<b>PIF (India) = 1.940</b>
	<b>GIF (Australia) = 0.564</b>	<b>ESJI (KZ) = 8.100</b>	<b>IBI (India) = 4.260</b>
	<b>JIF = 1.500</b>	<b>SJIF (Morocco) = 7.184</b>	<b>OAJI (USA) = 0.350</b>

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