

# Laplace

PIK

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**COLLABORATORS**

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**REVISION HISTORY**

NUMBER	DATE	DESCRIPTION	NAME

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# Chapter 1

# Laplace

## 1.1 errors

- Laplace Manual ----- ↩  
 Errormessages -

### 10) Errormessages

If an error occurs while parsing your input, evaluation an expression... Laplace returns a short message, which gives you a simple explanation of what went wrong. Together with this message comes an error number which consists of four digits. The first digit is the number of the group to which the error belongs. The following three digits are a consecutive number for the error message.

These are the groups, indicated by the first digit:

- 1 - syntax errors, like forgotten brackets.
- 2 - mathematical error, e.g. division by zero.
- 3 - file access errors.
- 4 - reference errors, like undefined references.
- 9 - errors that don't belong to another group.

Finally, here is the list of all error codes:

- \*  
 1000 - Syntax error.
  - \*  
 1001 - Unexpected characters following expression.
  - \*  
 1002 - Missing close bracket.
  - \*  
 1003 - Too many closing brackets.
  - \*  
 1004 - Expected an opening bracket at this place.
-

- \*  
1005 - Unterminated string.
  - \*  
1006 - Unterminated comment.
  - \*  
1007 - Unexpected character.
  - \*  
1008 - Unexpected keyword.
  - \*  
1009 - Unknown control character.
  - \*  
1010 - Unknown option.
  - \*  
1011 - 'else' without if.
  - \*  
1012 - ... expects n argument(s).
  - \*  
1013 - '...' expects n argument(s).
  - \*  
1014 - '...' expects n argument(s).
  - \*  
1015 - '...' expects n..m argument(s).
  - \*  
1016 - Argument count mismatch.
  - \*  
1017 - Expected argument.
  - \*  
1018 - Invalid number.
  - \*  
1019 - Index exceeds the valid range [n,m].
  - \*  
1020 - Expected index of order n.
  - \*  
1021 - Option exceeds the valid range [n,m].
  - \*  
1022 - Expected function with one argument.
  - \*  
1023 - Cannot use '...' as a constructor.
-

---

\*  
1024 - Expected identifier with interval.

\*  
1025 - Invalid interval.

\*  
1026 - Reference doesn't expect arguments.

\*  
2000 - Division by zero.

\*  
2001 - acos out of [-1,1].

\*  
2002 - asin out of [-1,1].

\*  
2003 - Factorial only defined for integers.

\*  
2004 - Singularity of cot().

\*  
2005 - Vector dimensions don't match.

\*  
2006 - Matrix dimensions don't match.

\*  
2007 - Matrix must be square.

\*  
2008 - This matrix cannot be inverted.

\*  
2009 - Operator '...' not defined for ....

\*  
2010 - Expected object of type '...'.  
2011 - Return type mismatch.

\*  
3000 - Read/write error on file '...'.  
3001 - Unable to open file '...'.  
4000 - Undefined reference '...'.  
4001 - Expected object of type '...' in reference '...', ↔  
subexpression

---





## 1.4 error1002

- Laplace Manual ----- Missing close bracket. -

1002: Missing close bracket.

This text has not been written yet...

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## 1.5 error1003

- Laplace Manual ----- Too many closing brackets. -

1003: Too many closing brackets.

This text has not been written yet...

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## 1.6 error1004

- Laplace Manual ----- Expected an opening bracket at this place. -

1004: Expected an opening bracket at this place.

This text has not been written yet...

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## 1.7 error1005

- Laplace Manual ----- Unterminated string. -

1005: Unterminated string.

This text has not been written yet...

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## 1.8 error1006

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- Laplace Manual ----- Unterminated comment. -

1006: Unterminated comment.

This text has not been written yet...

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## 1.9 error1007

- Laplace Manual ----- Unexpected character. -

1007: Unexpected character.

This text has not been written yet...

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## 1.10 error1008

- Laplace Manual ----- Unexpected keyword. -

1008: Unexpected keyword.

This text has not been written yet...

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## 1.11 error1009

- Laplace Manual ----- Unknown control character. -

1009: Unknown control character.

This text has not been written yet...

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## 1.12 error1010

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- Laplace Manual ----- Unknown option. -

1010: Unknown option.

This text has not been written yet...

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### 1.13 error1011

- Laplace Manual ----- 'else' without if. -

1011: 'else' without if.

This text has not been written yet...

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### 1.14 error1012

- Laplace Manual ----- ... expects n argument(s). -

1012: ... expects n argument(s).

This text has not been written yet...

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### 1.15 error1013

- Laplace Manual ----- '...' expects n argument(s). -

1013: '...' expects n argument(s).

This text has not been written yet...

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### 1.16 error1014

- Laplace Manual ----- '...' expects n argument(s). -

1014: '...' expects n argument(s).

This text has not been written yet...

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## 1.17 error1015

- Laplace Manual ----- '...' expects n..m argument(s). -

1015: '...' expects n..m argument(s).

This text has not been written yet...

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## 1.18 error1016

- Laplace Manual ----- Argument count mismatch. -

1016: Argument count mismatch.

This text has not been written yet...

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## 1.19 error1017

- Laplace Manual ----- Expected argument. -

1017: Expected argument.

This text has not been written yet...

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## 1.20 error1018

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- Laplace Manual ----- Invalid number. -

1018: Invalid number.

This text has not been written yet...

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## 1.21 error1019

- Laplace Manual ----- Index exceeds the valid range [n,m]. -

1019: Index exceeds the valid range [n,m].

This text has not been written yet...

----- © by P!\K -

## 1.22 error1020

- Laplace Manual ----- Expected index of order n. -

1020: Expected index of order n.

This text has not been written yet...

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## 1.23 error1021

- Laplace Manual ----- Option exceeds the valid range [n,m]. -

1021: Option exceeds the valid range [n,m].

This text has not been written yet...

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## 1.24 error1022

- Laplace Manual ----- Expected function with one argument. -

1022: Expected function with one argument.

This text has not been written yet...

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## 1.25 error1023

- Laplace Manual ----- Cannot use '...' as a constructor. -

1023: Cannot use '...' as a constructor.

This text has not been written yet...

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## 1.26 error1024

- Laplace Manual ----- Expected identifier with interval. -

1024: Expected identifier with interval.

Expected something like  $a = 1 .. 4$

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## 1.27 error1025

- Laplace Manual ----- Invalid interval. -

1025: Invalid interval.

This text has not been written yet...

----- © by P!\K -

## 1.28 error1026

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- Laplace Manual ----- Reference doesn't expect arguments. -

1026: Reference doesn't expect arguments.

This text has not been written yet...

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## 1.29 error2000

- Laplace Manual ----- Division by zero. -

2000: Division by zero.

This text has not been written yet...

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## 1.30 error2001

- Laplace Manual ----- acos out of [-1,1]. -

2001: acos out of [-1,1].

This text has not been written yet...

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## 1.31 error2002

- Laplace Manual ----- asin out of [-1,1]. -

2002: asin out of [-1,1].

This text has not been written yet...

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## 1.32 error2003



- Laplace Manual ----- Factorial only defined for integers. -

2003: Factorial only defined for integers.

This text has not been written yet...

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### 1.33 error2004

- Laplace Manual ----- Singularity of cot(). -

2004: Singularity of cot().

This text has not been written yet...

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### 1.34 error2005

- Laplace Manual ----- Vector dimensions don't match. -

2005: Vector dimensions don't match.

This text has not been written yet...

----- © by P!\K -

### 1.35 error2006

- Laplace Manual ----- Matrix dimensions don't match. -

2006: Matrix dimensions don't match.

This text has not been written yet...

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### 1.36 error2007

- Laplace Manual ----- Matrix must be square. -

2007: Matrix must be square.

This text has not been written yet...

----- © by P!\K -

### 1.37 error2008

- Laplace Manual ----- This matrix cannot be inverted. -

2008: This matrix cannot be inverted.

This text has not been written yet...

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### 1.38 error2009

- Laplace Manual ----- Operator '...' not defined for .... -

2009: Operator '...' not defined for ....

This text has not been written yet...

----- © by P!\K -

### 1.39 error2010

- Laplace Manual ----- Expected object of type '...'. -

2010: Expected object of type '...'. -

This text has not been written yet...

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### 1.40 error2011

- Laplace Manual ----- Return type mismatch. -

2011: Return type mismatch.

This text has not been written yet...

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## 1.41 error3000

- Laplace Manual ----- Read/write error on file '...'. -

3000: Read/write error on file '...'. -

This text has not been written yet...

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## 1.42 error3001

- Laplace Manual ----- Unable to open file '...'. -

3001: Unable to open file '...'. -

This text has not been written yet...

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## 1.43 error4000

- Laplace Manual ----- Undefined reference '...'. -

4000: Undefined reference '...'. -

This text has not been written yet...

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## 1.44 error4001

- Laplace Manual Expected object of type '...' in reference '...', subexpression ←  
'...'. -

4001: Expected object of type '...' in reference '...', subexpression '...'.  
This text has not been written yet...

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### 1.45 error4002

- Laplace Manual Type not supported in reference '...', subexpression '...'. -

4002: Type not supported in reference '...', subexpression '...'.  
This text has not been written yet...

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### 1.46 error4003

- Laplace Manual ----- Missing closing '' character in '...'. -

4003: Missing closing '' character in '...'.  
This text has not been written yet...

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### 1.47 error9000

- Laplace Manual ----- Out of memory. -

9000: Out of memory.  
This text has not been written yet...

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### 1.48 error9001

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- Laplace Manual ----- This function is not implemented yet. -

9001: This function is not implemented yet.

This text has not been written yet...

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## 1.49 error9002

- Laplace Manual ----- User break. -

9002: User break.

This text has not been written yet...

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## 1.50 error9003

- Laplace Manual ----- Internal error. -

9003: Internal error.

This text has not been written yet...

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