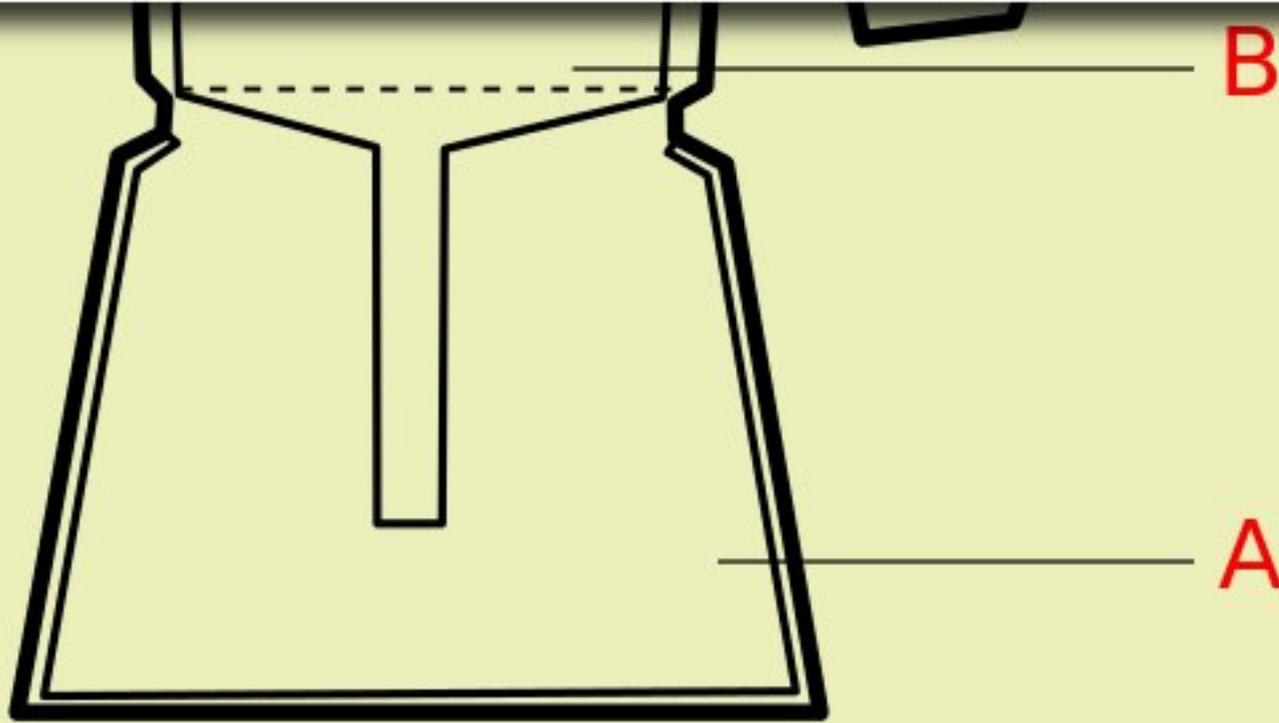


Programação Orientada a Objetos

Tratamento de Exceções

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Instituto de Computação - UNICAMP
Abril 2015



Exceção

Bloco try/catch

```
try {  
    <instruções>  
} catch (<classe_exceção> <variável>)  
    <instruções_tratamento>  
}
```

```
try {  
    <instruções>  
} catch (<classe_exceção> <variável>)  
    <instruções_tratamento>  
} catch (<classe_exceção> <variável>)  
    <instruções_tratamento>  
} ... catch () {
```

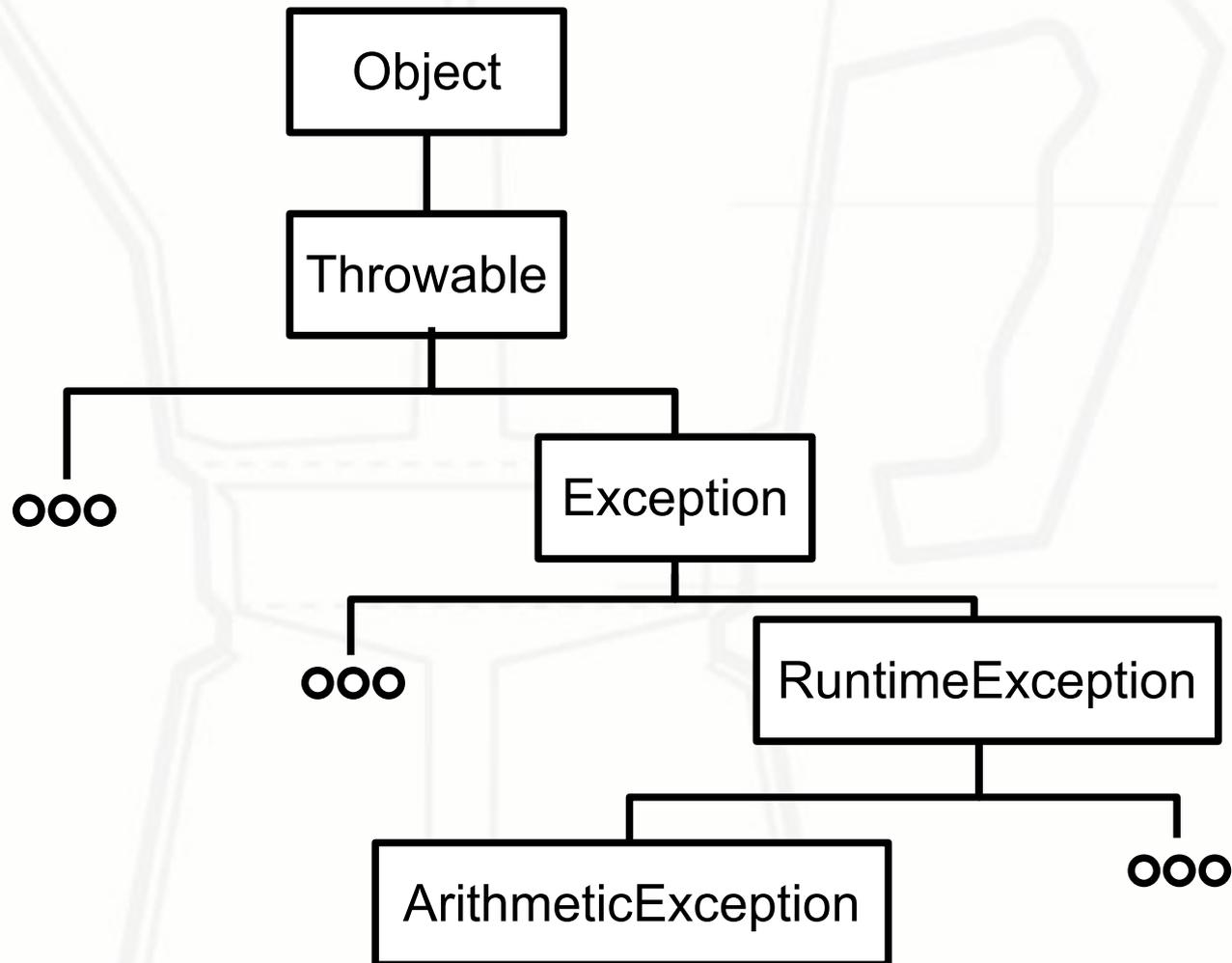
Exceção

Bloco finally

```
try {  
    <instruções>  
} catch (<classe_exceção> <variável>)  
    <instruções_tratamento>  
} ... catch () {  
} finally {  
    <instruções_sempre_executadas>  
}
```

A diagram of a try-catch-finally block is shown in the background. The try block is labeled 'C', the catch block is labeled 'B', and the finally block is labeled 'A'. The labels are in a light pink color and are positioned to the right of the code. The try block is the top part of the block, the catch block is the middle part, and the finally block is the bottom part. The try block is enclosed in a solid line, the catch block is enclosed in a dashed line, and the finally block is enclosed in a solid line. The labels A, B, and C are positioned to the right of the code, with A at the bottom, B in the middle, and C at the top.

Hierarquia de Objetos Exceção



Java Docs

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Summary: [Nested](#) | [Field](#) | [Constr](#) | [Method](#) Detail: [Field](#) | [Constr](#) | [Method](#)

[java.lang](#)

Class ArithmeticException

[java.lang.Object](#)

[java.lang.Throwable](#)

[java.lang.Exception](#)

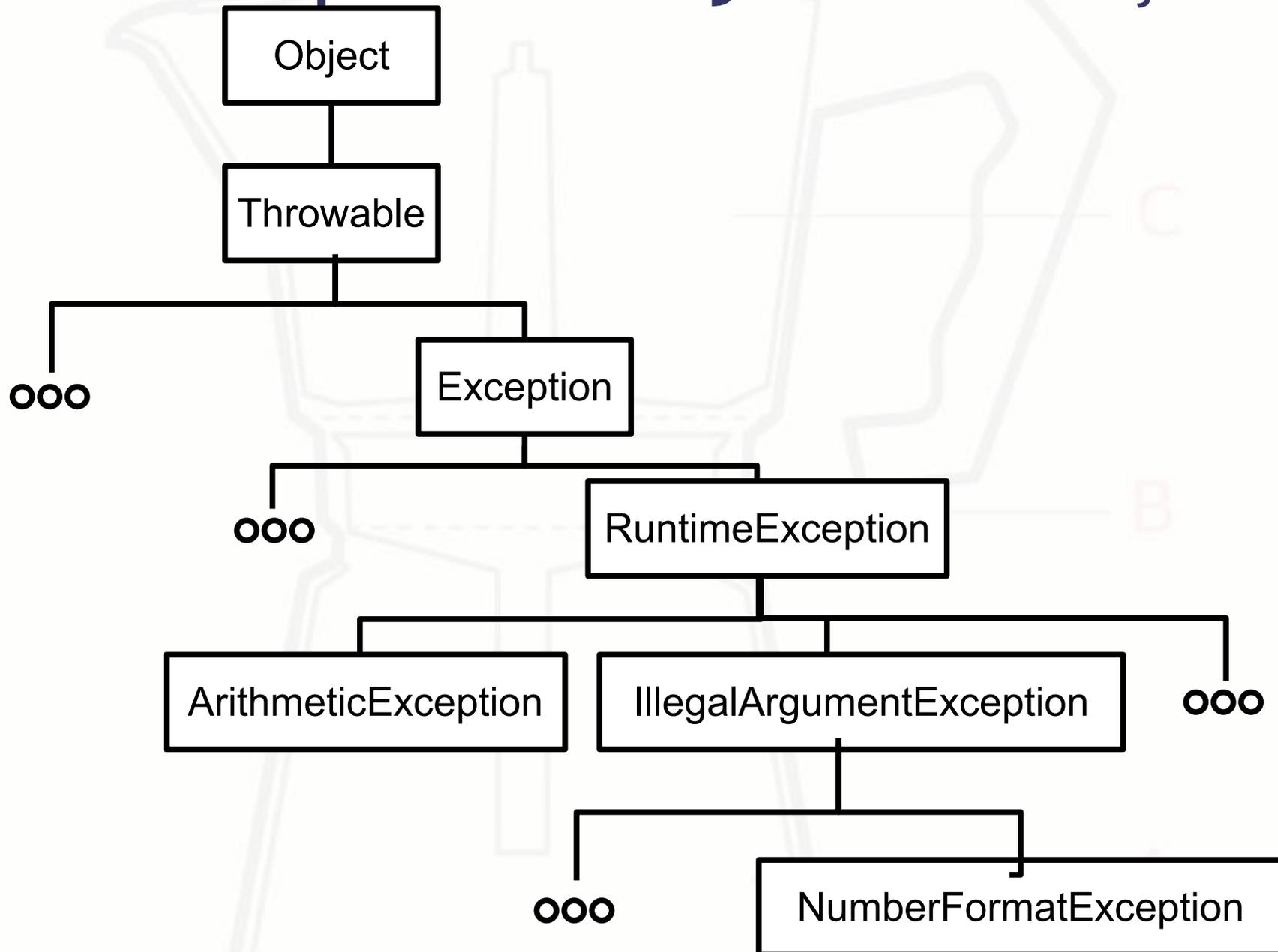
[java.lang.RuntimeException](#)

[java.lang.ArithmeticException](#)

All Implemented Interfaces:

[Serializable](#)

Hierarquia de Objetos Exceção



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Summary: [Nested](#) | [Field](#) | [Constr](#) | [Method](#) Detail: [Field](#) | [Constr](#) | [Method](#)

`java.lang`

Class NumberFormatException

`java.lang.Object`

`java.lang.Throwable`

`java.lang.Exception`

`java.lang.RuntimeException`

`java.lang.IllegalArgumentException`

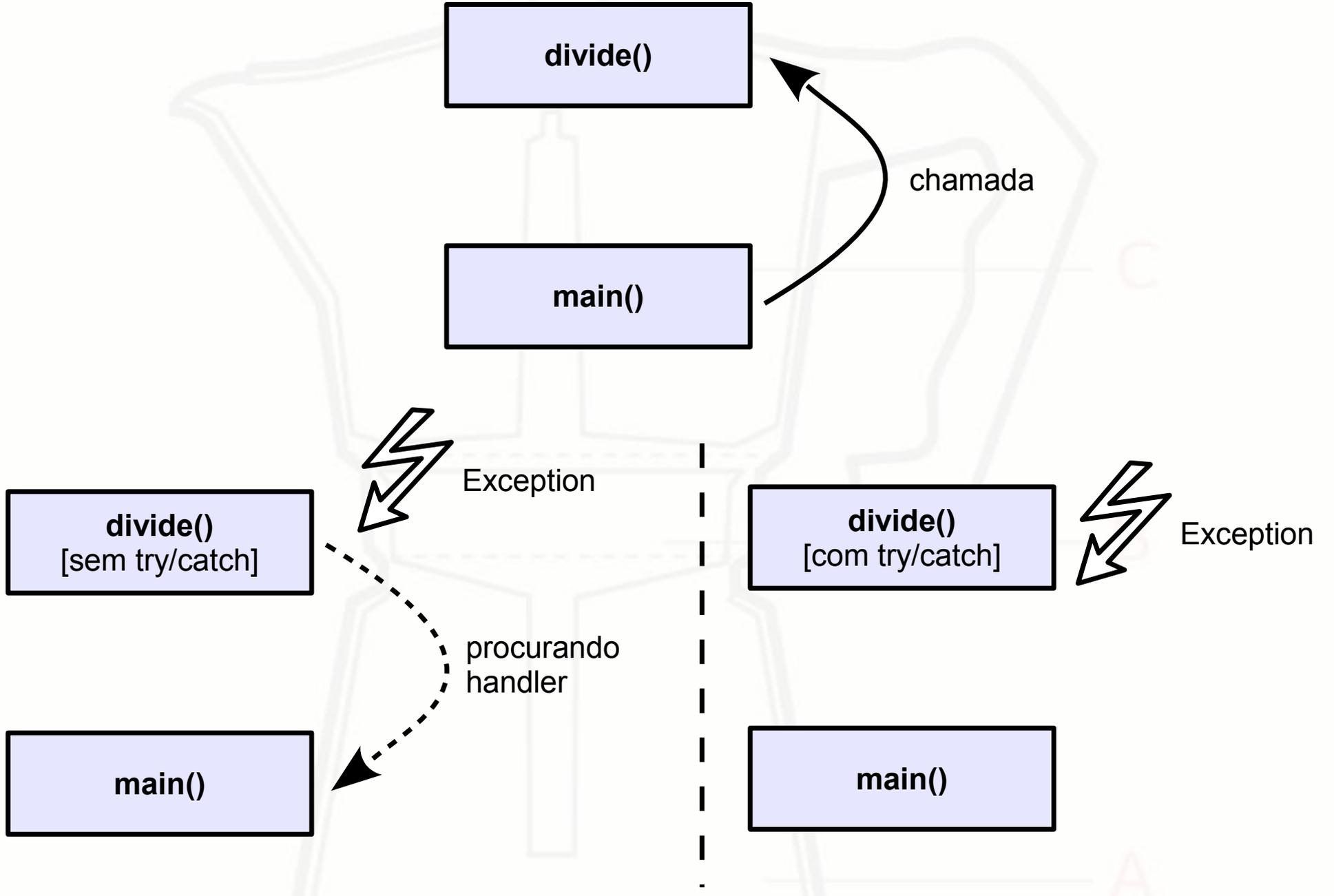
`java.lang.NumberFormatException`

All Implemented Interfaces:

`Serializable`

Exceções na Pilha de Chamadas





divide()

entrada()

main()

chamada

chamada

divide()
[sem try/catch]

entrada()
[sem try/catch]

main()

Exception

procurando
handler

procurando
handler

divide()
[sem try/catch]

entrada()
[com try/catch]

main()

Exception

procurando
handler

A

C



André Santanchè

`http://www.ic.unicamp.br/~santanche`



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