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Class TestFunction

```
java.lang.Object
├─ TestFunctionAbstract
└─ TestFunction
```

```
public class TestFunction
extends TestFunctionAbstract
```

TestFunctionAbstract extended as the formula $x*x-5.0*x$. All code released under BSD licensing.

Version:

0.1

Author:

Ruthann Sudman

See Also:

[Code Repository](#)

Field Summary

Fields inherited from class [TestFunctionAbstract](#)

[ap](#), [h](#), [ns](#), [rp](#)

Constructor Summary

[TestFunction](#)()

Method Summary

double	f (double x) Implementation of the abstract method f with the function $x*x-5.0*x$.
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Methods inherited from class [TestFunctionAbstract](#)

[condition_number](#), [condition_number](#), [DDf](#), [Df](#), [Dg](#), [fit_least_squares](#), [g](#),
[optimize_bisection](#), [optimize_golden_search](#), [optimize_newton_stabilized](#), [optimize_newton](#),
[optimize_secant](#), [solve_bisection](#), [solve_fixed_point](#), [solve_newton_stabilized](#),

[solve_newton](#), [solve_secant](#)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

TestFunction

```
public TestFunction()
```

Method Detail

f

```
public double f(double x)
```

Implementation of the abstract method f with the function $x*x-5.0*x$.

Specified by:

[f](#) in class [TestFunctionAbstract](#)

Parameters:

x - Value used to evaluate the function with.

Returns:

The result of evaluating the function for x.

Exception(s):

No known exceptions.

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