JavaScript is disabled on your browser.

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* Class
* [Use](http://docs.google.com/class-use/PhraseChecker.html)
* [Tree](http://docs.google.com/package-tree.html)
* [Deprecated](http://docs.google.com/deprecated-list.html)
* [Index](http://docs.google.com/index-files/index-1.html)
* [Help](http://docs.google.com/help-doc.html)
* [Prev Class](http://docs.google.com/simplenlg/aggregation/Periphery.html)
* [Next Class](http://docs.google.com/simplenlg/aggregation/PhraseSet.html)
* [Frames](http://docs.google.com/index.html?simplenlg/aggregation/PhraseChecker.html)
* [No Frames](http://docs.google.com/PhraseChecker.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* Field |
* [Constr](#id.3znysh7)|
* [Method](#id.2et92p0)
* Detail:
* Field |
* [Constr](#id.3dy6vkm)|
* [Method](#id.4d34og8)

simplenlg.aggregation

## Class PhraseChecker

* java.lang.Object
  + simplenlg.aggregation.PhraseChecker
* public abstract class PhraseChecker  
  extends java.lang.Object  
  This class contains a number of utility methods for checking and collecting sentence components during the process of aggregation.Author: agatt

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [**PhraseChecker**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#PhraseChecker())() |

### Method SummaryMethods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + static boolean | * + [**allActive**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#allActive(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check whether all sentences are active |
| * + static boolean | * + [**allPassive**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#allPassive(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check whether all sentences are passive |
| * + static boolean | * + [**expletiveSubjects**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#expletiveSubjects(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check whether these sentences have expletive subjects (there, it etc) |
| * + static boolean | * + [**haveSameVoice**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#haveSameVoice(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that the sentences supplied are either all active or all passive. |
| * + static java.util.List<[PhraseSet](http://docs.google.com/simplenlg/aggregation/PhraseSet.html)> | * + [**leftPeriphery**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#leftPeriphery(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Collect a list of pairs of constituents with the same syntactic function from the left periphery of two sentences. |
| * + static boolean | * + [**nonePassive**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#nonePassive(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that no element of a give array of sentences is passive. |
| * + static java.util.List<[PhraseSet](http://docs.google.com/simplenlg/aggregation/PhraseSet.html)> | * + [**rightPeriphery**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#rightPeriphery(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Collect a list of pairs of constituents with the same syntactic function from the right periphery of two sentences. |
| * + static boolean | * + [**sameFrontMods**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#sameFrontMods(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that the sentences supplied have identical front modifiers |
| * + static boolean | * + [**samePostMods**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#samePostMods(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that some phrases have the same postmodifiers |
| * + static boolean | * + [**sameSentences**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#sameSentences(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that the sentences supplied are identical |
| * + static boolean | * + [**sameSubjects**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#sameSubjects(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that the sentences supplied have identical subjects |
| * + static boolean | * + [**sameSurfaceSubjects**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#sameSurfaceSubjects(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check whether the sentences have the same *surface* subjects, that is, they are either all active and have the same subjects, or all passive and have the same passive raising subjects. |
| * + static boolean | * + [**sameVP**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#sameVP(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that the sentences supplied have identical verb phrases |
| * + static boolean | * + [**sameVPArgs**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#sameVPArgs(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that the sentences supplied have the same complements at VP level. |
| * + static boolean | * + [**sameVPHead**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#sameVPHead(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that a list of sentences have the same verb |
| * + static boolean | * + [**sameVPModifiers**](http://docs.google.com/simplenlg/aggregation/PhraseChecker.html#sameVPModifiers(simplenlg.framework.NLGElement...))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) check that the phrases supplied are sentences and have the same VP premodifiers and postmodifiers |

### Methods inherited from class java.lang.Objectequals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

### Constructor Detail

#### PhraseChecker public PhraseChecker()

### Method Detail

#### sameSentences public static boolean sameSentences([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that the sentences supplied are identicalParameters:sentences - the sentences Returns:true if for every pair of sentences s1 and s2, s1.equals(s2).

#### expletiveSubjects public static boolean expletiveSubjects([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check whether these sentences have expletive subjects (there, it etc)Parameters:sentences - the sentences Returns:true if all the sentences have expletive subjects

#### sameFrontMods public static boolean sameFrontMods([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that the sentences supplied have identical front modifiersParameters:sentences - the sentences Returns:true if for every pair of sentences s1 and s2, s1.getFrontModifiers().equals(s2.getFrontModifiers()) .

#### samePostMods public static boolean samePostMods([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that some phrases have the same postmodifiersParameters:sentences - the phrases Returns:true if they have the same postmodifiers

#### sameSubjects public static boolean sameSubjects([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that the sentences supplied have identical subjectsParameters:sentences - the sentences Returns:true if for every pair of sentences s1 and s2 s1.getSubjects().equals(s2.getSubjects()).

#### allPassive public static boolean allPassive([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check whether all sentences are passiveParameters:sentences - the sentences Returns:true if for every sentence s, s.isPassive() == true.

#### allActive public static boolean allActive([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check whether all sentences are activeParameters:sentences - the sentences Returns:true if for every sentence s, s.isPassive() == false.

#### sameSurfaceSubjects public static boolean sameSurfaceSubjects([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check whether the sentences have the same *surface* subjects, that is, they are either all active and have the same subjects, or all passive and have the same passive raising subjects.Parameters:sentences - the sentences Returns:true if the sentences have the same surface subjects

#### sameVPHead public static boolean sameVPHead([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that a list of sentences have the same verbParameters:sentences - the sentences Returns:true if for every pair of sentences s1 and s2 s1.getVerbPhrase().getHead().equals(s2.getVerbPhrase().getHead())

#### haveSameVoice public static boolean haveSameVoice([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that the sentences supplied are either all active or all passive.Parameters:sentences - the sentences Returns:true if the sentences have the same voice

#### sameVP public static boolean sameVP([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that the sentences supplied have identical verb phrasesParameters:sentences - the sentences Returns:true if for every pair of sentences s1 and s2, s1.getVerbPhrase().equals(s2.getVerbPhrase()).

#### sameVPArgs public static boolean sameVPArgs([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that the sentences supplied have the same complements at VP level.Parameters:sentences - the sentences Returns:true if for every pair of sentences s1 and s2, their VPs have the same pre- and post-modifiers and complements.

#### sameVPModifiers public static boolean sameVPModifiers([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) check that the phrases supplied are sentences and have the same VP premodifiers and postmodifiersParameters:sentences - the sentences Returns:true if all pairs of sentences have VPs with the same pre and postmodifiers

#### leftPeriphery public static java.util.List<[PhraseSet](http://docs.google.com/simplenlg/aggregation/PhraseSet.html)> leftPeriphery([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Collect a list of pairs of constituents with the same syntactic function from the left periphery of two sentences. The left periphery encompasses the subjects, front modifiers and cue phrases of the sentences.Parameters:sentences - the list of sentences Returns:a list of pairs of constituents with the same function, if any are found

#### rightPeriphery public static java.util.List<[PhraseSet](http://docs.google.com/simplenlg/aggregation/PhraseSet.html)> rightPeriphery([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Collect a list of pairs of constituents with the same syntactic function from the right periphery of two sentences. The right periphery encompasses the complements of the main verb, and its postmodifiers.Parameters:sentences - the list of sentences Returns:a list of pairs of constituents with the same function, if any are found

#### nonePassive public static boolean nonePassive([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html)... sentences) Check that no element of a give array of sentences is passive.Parameters:sentences - the sentences Returns:true if none of the sentences is passive

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* Class
* [Use](http://docs.google.com/class-use/PhraseChecker.html)
* [Tree](http://docs.google.com/package-tree.html)
* [Deprecated](http://docs.google.com/deprecated-list.html)
* [Index](http://docs.google.com/index-files/index-1.html)
* [Help](http://docs.google.com/help-doc.html)
* [Prev Class](http://docs.google.com/simplenlg/aggregation/Periphery.html)
* [Next Class](http://docs.google.com/simplenlg/aggregation/PhraseSet.html)
* [Frames](http://docs.google.com/index.html?simplenlg/aggregation/PhraseChecker.html)
* [No Frames](http://docs.google.com/PhraseChecker.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* Field |
* [Constr](#id.3znysh7)|
* [Method](#id.2et92p0)
* Detail:
* Field |
* [Constr](#id.3dy6vkm)|
* [Method](#id.4d34og8)