JavaScript is disabled on your browser.

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simplenlg.features

## Enum Inflection

* java.lang.Object
  + java.lang.Enum<[Inflection](http://docs.google.com/simplenlg/features/Inflection.html)>
    - simplenlg.features.Inflection

All Implemented Interfaces: java.io.Serializable, java.lang.Comparable<[Inflection](http://docs.google.com/simplenlg/features/Inflection.html)>

* public enum Inflection  
  extends java.lang.Enum<[Inflection](http://docs.google.com/simplenlg/features/Inflection.html)>  
  An enumeration representing the different types of morphology patterns used by the basic morphology processor included with SimpleNLG. This enumeration is a way of informing the morphology processor which set of rules should be used when inflecting the word.  
  The pattern is recorded in the Feature.PATTERN feature and applies to adjectives, nouns and verbs.  
  It should be noted that the morphology processor will use user-defined inflections or those found in a lexicon first before applying the supplied rules.Version: 4.0 Author: D. Westwater, University of Aberdeen.

### Enum Constant SummaryEnum Constants

|  |
| --- |
| * + Enum Constant and Description |
| * + [**GRECO\_LATIN\_REGULAR**](http://docs.google.com/simplenlg/features/Inflection.html#GRECO_LATIN_REGULAR) The morphology processor has simple rules for pluralising Greek and Latin nouns. |
| * + [**INVARIANT**](http://docs.google.com/simplenlg/features/Inflection.html#INVARIANT) The value for words which are invariant, that is, are never inflected. |
| * + [**IRREGULAR**](http://docs.google.com/simplenlg/features/Inflection.html#IRREGULAR) A word having an irregular pattern essentially means that none of the supplied rules can be used to correctly inflect the word. |
| * + [**REGULAR**](http://docs.google.com/simplenlg/features/Inflection.html#REGULAR) Regular patterns represent the default rules when dealing with inflections. |
| * + [**REGULAR\_DOUBLE**](http://docs.google.com/simplenlg/features/Inflection.html#REGULAR_DOUBLE) Regular double patterns apply to verbs where the last consonant is duplicated before applying the new suffix. |
| * + [**UNCOUNT**](http://docs.google.com/simplenlg/features/Inflection.html#UNCOUNT) The value for uncountable nouns, which are not inflected in their plural form. |

### Method SummaryMethods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + static [Inflection](http://docs.google.com/simplenlg/features/Inflection.html) | * + [**getInflCode**](http://docs.google.com/simplenlg/features/Inflection.html#getInflCode(java.lang.String))(java.lang.String code) convenience method: parses an inflectional code such as "irreg|woman|women" to retrieve the first element, which is the code itself, then maps it to the value of Inflection. |
| * + static [Inflection](http://docs.google.com/simplenlg/features/Inflection.html) | * + [**valueOf**](http://docs.google.com/simplenlg/features/Inflection.html#valueOf(java.lang.String))(java.lang.String name) Returns the enum constant of this type with the specified name. |
| * + static [Inflection](http://docs.google.com/simplenlg/features/Inflection.html)[] | * + [**values**](http://docs.google.com/simplenlg/features/Inflection.html#values())() Returns an array containing the constants of this enum type, in the order they are declared. |

### Methods inherited from class java.lang.EnumcompareTo, equals, getDeclaringClass, hashCode, name, ordinal, toString, valueOf

### Methods inherited from class java.lang.ObjectgetClass, notify, notifyAll, wait, wait, wait

### Enum Constant Detail

#### GRECO\_LATIN\_REGULAR public static final [Inflection](http://docs.google.com/simplenlg/features/Inflection.html) GRECO\_LATIN\_REGULAR The morphology processor has simple rules for pluralising Greek and Latin nouns. The full list can be found in the explanation of the morphology processor. An example would be turning *focus* into *foci*. The Greco-Latin rules are generally more complex than the basic rules.

#### IRREGULAR public static final [Inflection](http://docs.google.com/simplenlg/features/Inflection.html) IRREGULAR A word having an irregular pattern essentially means that none of the supplied rules can be used to correctly inflect the word. The inflection should be defined by the user or appear in the lexicon. *sheep* is an example of an irregular noun.

#### REGULAR public static final [Inflection](http://docs.google.com/simplenlg/features/Inflection.html) REGULAR Regular patterns represent the default rules when dealing with inflections. A full list can be found in the explanation of the morphology processor. An example would be adding *-s* to the end of regular nouns to pluralise them.

#### REGULAR\_DOUBLE public static final [Inflection](http://docs.google.com/simplenlg/features/Inflection.html) REGULAR\_DOUBLE Regular double patterns apply to verbs where the last consonant is duplicated before applying the new suffix. For example, the verb *tag* has a regular double pattern as its inflected forms include *tagged* and *tagging*.

#### UNCOUNT public static final [Inflection](http://docs.google.com/simplenlg/features/Inflection.html) UNCOUNT The value for uncountable nouns, which are not inflected in their plural form.

#### INVARIANT public static final [Inflection](http://docs.google.com/simplenlg/features/Inflection.html) INVARIANT The value for words which are invariant, that is, are never inflected.

### Method Detail

#### values public static [Inflection](http://docs.google.com/simplenlg/features/Inflection.html)[] values() Returns an array containing the constants of this enum type, in the order they are declared. This method may be used to iterate over the constants as follows: for (Inflection c : Inflection.values())   System.out.println(c); Returns:an array containing the constants of this enum type, in the order they are declared

#### valueOf public static [Inflection](http://docs.google.com/simplenlg/features/Inflection.html) valueOf(java.lang.String name) Returns the enum constant of this type with the specified name. The string must match *exactly* an identifier used to declare an enum constant in this type. (Extraneous whitespace characters are not permitted.)Parameters:name - the name of the enum constant to be returned. Returns:the enum constant with the specified name Throws: java.lang.IllegalArgumentException - if this enum type has no constant with the specified name java.lang.NullPointerException - if the argument is null

#### getInflCode public static [Inflection](http://docs.google.com/simplenlg/features/Inflection.html) getInflCode(java.lang.String code) convenience method: parses an inflectional code such as "irreg|woman|women" to retrieve the first element, which is the code itself, then maps it to the value of Inflection.Parameters:code - -- the string representing the inflection. The strings are those defined in the NIH Lexicon. Returns:the Inflection

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