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org.apache.commons.collections4.set

## Interface CompositeSet.SetMutator<E>

* All Superinterfaces: [Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true) Enclosing class: [CompositeSet](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.html)<[E](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.html)>  
    
  public static interface CompositeSet.SetMutator<E>  
  extends [Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true)  
  Define callbacks for mutation operations.

### Method SummaryAll Methods Instance Methods Abstract Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + boolean | * + [add](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.SetMutator.html#add-org.apache.commons.collections4.set.CompositeSet-java.util.List-E-)([CompositeSet](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.html)<[E](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.SetMutator.html)> composite, [List](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true)<[Set](https://docs.oracle.com/javase/7/docs/api/java/util/Set.html?is-external=true)<[E](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.SetMutator.html)>> sets, [E](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.SetMutator.html) obj) Called when an object is to be added to the composite. |
| * + boolean | * + [addAll](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.SetMutator.html#addAll-org.apache.commons.collections4.set.CompositeSet-java.util.List-java.util.Collection-)([CompositeSet](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.html)<[E](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.SetMutator.html)> composite, [List](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true)<[Set](https://docs.oracle.com/javase/7/docs/api/java/util/Set.html?is-external=true)<[E](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.SetMutator.html)>> sets, [Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<? extends [E](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.SetMutator.html)> coll) Called when a collection is to be added to the composite. |
| * + void | * + [resolveCollision](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.SetMutator.html#resolveCollision-org.apache.commons.collections4.set.CompositeSet-java.util.Set-java.util.Set-java.util.Collection-)([CompositeSet](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.html)<[E](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.SetMutator.html)> comp, [Set](https://docs.oracle.com/javase/7/docs/api/java/util/Set.html?is-external=true)<[E](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.SetMutator.html)> existing, [Set](https://docs.oracle.com/javase/7/docs/api/java/util/Set.html?is-external=true)<[E](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.SetMutator.html)> added, [Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<[E](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.SetMutator.html)> intersects) Called when a Set is added to the CompositeSet and there is a collision between existing and added sets. |

### Method Detail

#### add boolean add([CompositeSet](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.html)<[E](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.SetMutator.html)> composite, [List](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true)<[Set](https://docs.oracle.com/javase/7/docs/api/java/util/Set.html?is-external=true)<[E](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.SetMutator.html)>> sets, [E](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.SetMutator.html) obj) Called when an object is to be added to the composite.Parameters: composite - the CompositeSet being changed sets - all of the Set instances in this CompositeSet obj - the object being added Returns: true if the collection is changed Throws: [UnsupportedOperationException](https://docs.oracle.com/javase/7/docs/api/java/lang/UnsupportedOperationException.html?is-external=true) - if add is unsupported [ClassCastException](https://docs.oracle.com/javase/7/docs/api/java/lang/ClassCastException.html?is-external=true) - if the object cannot be added due to its type [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if the object cannot be added because its null [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if the object cannot be added

#### addAll boolean addAll([CompositeSet](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.html)<[E](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.SetMutator.html)> composite, [List](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true)<[Set](https://docs.oracle.com/javase/7/docs/api/java/util/Set.html?is-external=true)<[E](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.SetMutator.html)>> sets, [Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<? extends [E](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.SetMutator.html)> coll) Called when a collection is to be added to the composite.Parameters: composite - the CompositeSet being changed sets - all of the Set instances in this CompositeSet coll - the collection being added Returns: true if the collection is changed Throws: [UnsupportedOperationException](https://docs.oracle.com/javase/7/docs/api/java/lang/UnsupportedOperationException.html?is-external=true) - if add is unsupported [ClassCastException](https://docs.oracle.com/javase/7/docs/api/java/lang/ClassCastException.html?is-external=true) - if the object cannot be added due to its type [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if the object cannot be added because its null [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if the object cannot be added

#### resolveCollision void resolveCollision([CompositeSet](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.html)<[E](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.SetMutator.html)> comp, [Set](https://docs.oracle.com/javase/7/docs/api/java/util/Set.html?is-external=true)<[E](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.SetMutator.html)> existing, [Set](https://docs.oracle.com/javase/7/docs/api/java/util/Set.html?is-external=true)<[E](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.SetMutator.html)> added, [Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<[E](http://docs.google.com/org/apache/commons/collections4/set/CompositeSet.SetMutator.html)> intersects) Called when a Set is added to the CompositeSet and there is a collision between existing and added sets. If added and existing still have any intersects after this method returns an IllegalArgumentException will be thrown.Parameters: comp - the CompositeSet being modified existing - the Set already existing in the composite added - the Set being added to the composite intersects - the intersection of the existing and added sets

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