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org.apache.commons.collections4.map

## Class PredicatedSortedMap<K,V>

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + [org.apache.commons.collections4.map.AbstractIterableMap](http://docs.google.com/org/apache/commons/collections4/map/AbstractIterableMap.html)<K,V>
    - [org.apache.commons.collections4.map.AbstractMapDecorator](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html)<K,V>
      * [org.apache.commons.collections4.map.PredicatedMap](http://docs.google.com/org/apache/commons/collections4/map/PredicatedMap.html)<K,V>
        + org.apache.commons.collections4.map.PredicatedSortedMap<K,V>
* Type Parameters: K - the type of the keys in this map V - the type of the values in this map All Implemented Interfaces: [Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true), [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<K,V>, [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<K,V>, [Get](http://docs.google.com/org/apache/commons/collections4/Get.html)<K,V>, [IterableGet](http://docs.google.com/org/apache/commons/collections4/IterableGet.html)<K,V>, [IterableMap](http://docs.google.com/org/apache/commons/collections4/IterableMap.html)<K,V>, [Put](http://docs.google.com/org/apache/commons/collections4/Put.html)<K,V>  
    
  public class PredicatedSortedMap<K,V>  
  extends [PredicatedMap](http://docs.google.com/org/apache/commons/collections4/map/PredicatedMap.html)<K,V>  
  implements [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<K,V>  
  Decorates another SortedMap to validate that additions match a specified predicate.  
  This map exists to provide validation for the decorated map. It is normally created to decorate an empty map. If an object cannot be added to the map, an IllegalArgumentException is thrown.  
  One usage would be to ensure that no null keys are added to the map.  
   SortedMap map =  
   PredicatedSortedMap.predicatedSortedMap(new TreeMap(),  
   NotNullPredicate.notNullPredicate(),  
   null);  
     
  **Note that PredicatedSortedMap is not synchronized and is not thread-safe.** If you wish to use this map from multiple threads concurrently, you must use appropriate synchronization. The simplest approach is to wrap this map using [Collections.synchronizedSortedMap(java.util.SortedMap<K, V>)](https://docs.oracle.com/javase/7/docs/api/java/util/Collections.html?is-external=true#synchronizedSortedMap-java.util.SortedMap-). This class may throw exceptions when accessed by concurrent threads without synchronization.  
  This class is Serializable from Commons Collections 3.1.Since: 3.0 See Also: [Serialized Form](http://docs.google.com/serialized-form.html#org.apache.commons.collections4.map.PredicatedSortedMap)

### Nested Class Summary

### Nested classes/interfaces inherited from interface java.util.[**Map**](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)[Map.Entry](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true)<[K](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true),[V](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true)>

### Field Summary

### Fields inherited from class org.apache.commons.collections4.map.[**PredicatedMap**](http://docs.google.com/org/apache/commons/collections4/map/PredicatedMap.html)[keyPredicate](http://docs.google.com/org/apache/commons/collections4/map/PredicatedMap.html#keyPredicate), [valuePredicate](http://docs.google.com/org/apache/commons/collections4/map/PredicatedMap.html#valuePredicate)

### Constructor SummaryConstructors

|  |  |
| --- | --- |
| * + Modifier | * + Constructor and Description |
| * + protected | * + [PredicatedSortedMap](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html#PredicatedSortedMap-java.util.SortedMap-org.apache.commons.collections4.Predicate-org.apache.commons.collections4.Predicate-)([SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html)> map, [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super [K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html)> keyPredicate, [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super [V](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html)> valuePredicate) Constructor that wraps (not copies). |

### Method SummaryAll Methods Static Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + [Comparator](https://docs.oracle.com/javase/7/docs/api/java/util/Comparator.html?is-external=true)<? super [K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html)> | * + [comparator](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html#comparator--)() |
| * + [Set](https://docs.oracle.com/javase/7/docs/api/java/util/Set.html?is-external=true)<[Map.Entry](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true)<K,V>> | * + [entrySet](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html#entrySet--)() |
| * + [K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html) | * + [firstKey](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html#firstKey--)() |
| * + protected [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html)> | * + [getSortedMap](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html#getSortedMap--)() Gets the map being decorated. |
| * + [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html)> | * + [headMap](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html#headMap-K-)([K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html) toKey) |
| * + [K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html) | * + [lastKey](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html#lastKey--)() |
| * + static <K,V> [PredicatedSortedMap](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html)<K,V> | * + [predicatedSortedMap](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html#predicatedSortedMap-java.util.SortedMap-org.apache.commons.collections4.Predicate-org.apache.commons.collections4.Predicate-)([SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<K,V> map, [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super K> keyPredicate, [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super V> valuePredicate) Factory method to create a predicated (validating) sorted map. |
| * + [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html)> | * + [subMap](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html#subMap-K-K-)([K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html) fromKey, [K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html) toKey) |
| * + [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html)> | * + [tailMap](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html#tailMap-K-)([K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html) fromKey) |

### Methods inherited from class org.apache.commons.collections4.map.[**PredicatedMap**](http://docs.google.com/org/apache/commons/collections4/map/PredicatedMap.html)[checkSetValue](http://docs.google.com/org/apache/commons/collections4/map/PredicatedMap.html#checkSetValue-V-), [isSetValueChecking](http://docs.google.com/org/apache/commons/collections4/map/PredicatedMap.html#isSetValueChecking--), [predicatedMap](http://docs.google.com/org/apache/commons/collections4/map/PredicatedMap.html#predicatedMap-java.util.Map-org.apache.commons.collections4.Predicate-org.apache.commons.collections4.Predicate-), [put](http://docs.google.com/org/apache/commons/collections4/map/PredicatedMap.html#put-K-V-), [putAll](http://docs.google.com/org/apache/commons/collections4/map/PredicatedMap.html#putAll-java.util.Map-), [validate](http://docs.google.com/org/apache/commons/collections4/map/PredicatedMap.html#validate-K-V-)

### Methods inherited from class org.apache.commons.collections4.map.[**AbstractMapDecorator**](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html)[clear](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#clear--), [containsKey](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#containsKey-java.lang.Object-), [containsValue](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#containsValue-java.lang.Object-), [decorated](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#decorated--), [equals](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#equals-java.lang.Object-), [get](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#get-java.lang.Object-), [hashCode](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#hashCode--), [isEmpty](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#isEmpty--), [keySet](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#keySet--), [remove](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#remove-java.lang.Object-), [size](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#size--), [toString](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#toString--), [values](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#values--)

### Methods inherited from class org.apache.commons.collections4.map.[**AbstractIterableMap**](http://docs.google.com/org/apache/commons/collections4/map/AbstractIterableMap.html)[mapIterator](http://docs.google.com/org/apache/commons/collections4/map/AbstractIterableMap.html#mapIterator--)

### Methods inherited from class java.lang.[**Object**](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)[clone](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#clone--), [finalize](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#finalize--), [getClass](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#getClass--), [notify](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#notify--), [notifyAll](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#notifyAll--), [wait](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#wait--), [wait](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#wait-long-), [wait](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#wait-long-int-)

### Methods inherited from interface java.util.[**SortedMap**](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)[entrySet](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true#entrySet--), [keySet](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true#keySet--), [values](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true#values--)

### Methods inherited from interface java.util.[**Map**](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)[clear](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#clear--), [compute](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#compute-K-java.util.function.BiFunction-), [computeIfAbsent](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#computeIfAbsent-K-java.util.function.Function-), [computeIfPresent](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#computeIfPresent-K-java.util.function.BiFunction-), [containsKey](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#containsKey-java.lang.Object-), [containsValue](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#containsValue-java.lang.Object-), [equals](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#equals-java.lang.Object-), [forEach](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#forEach-java.util.function.BiConsumer-), [get](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#get-java.lang.Object-), [getOrDefault](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#getOrDefault-java.lang.Object-V-), [hashCode](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#hashCode--), [isEmpty](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#isEmpty--), [merge](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#merge-K-V-java.util.function.BiFunction-), [put](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#put-K-V-), [putAll](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#putAll-java.util.Map-), [putIfAbsent](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#putIfAbsent-K-V-), [remove](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#remove-java.lang.Object-), [remove](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#remove-java.lang.Object-java.lang.Object-), [replace](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#replace-K-V-), [replace](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#replace-K-V-V-), [replaceAll](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#replaceAll-java.util.function.BiFunction-), [size](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#size--)

### Constructor Detail

#### PredicatedSortedMap protected PredicatedSortedMap([SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html)> map, [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super [K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html)> keyPredicate, [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super [V](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html)> valuePredicate) Constructor that wraps (not copies).Parameters: map - the map to decorate, must not be null keyPredicate - the predicate to validate the keys, null means no check valuePredicate - the predicate to validate to values, null means no check Throws: [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if the map is null

### Method Detail

#### predicatedSortedMap public static <K,V> [PredicatedSortedMap](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html)<K,V> predicatedSortedMap([SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<K,V> map, [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super K> keyPredicate, [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super V> valuePredicate) Factory method to create a predicated (validating) sorted map. If there are any elements already in the list being decorated, they are validated.Type Parameters: K - the key type V - the value type Parameters: map - the map to decorate, must not be null keyPredicate - the predicate to validate the keys, null means no check valuePredicate - the predicate to validate to values, null means no check Returns: a new predicated sorted map Throws: [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if the map is null Since: 4.0

#### getSortedMap protected [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html)> getSortedMap() Gets the map being decorated.Returns: the decorated map

#### firstKey public [K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html) firstKey()Specified by: [firstKey](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true#firstKey--) in interface [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html)>

#### lastKey public [K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html) lastKey()Specified by: [lastKey](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true#lastKey--) in interface [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html)>

#### comparator public [Comparator](https://docs.oracle.com/javase/7/docs/api/java/util/Comparator.html?is-external=true)<? super [K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html)> comparator()Specified by: [comparator](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true#comparator--) in interface [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html)>

#### subMap public [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html)> subMap([K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html) fromKey, [K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html) toKey)Specified by: [subMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true#subMap-K-K-) in interface [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html)>

#### headMap public [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html)> headMap([K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html) toKey)Specified by: [headMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true#headMap-K-) in interface [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html)>

#### tailMap public [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html)> tailMap([K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html) fromKey)Specified by: [tailMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true#tailMap-K-) in interface [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/PredicatedSortedMap.html)>

#### entrySet public [Set](https://docs.oracle.com/javase/7/docs/api/java/util/Set.html?is-external=true)<[Map.Entry](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true)<K,V>> entrySet()Specified by: [entrySet](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#entrySet--) in interface [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<K,V> Specified by: [entrySet](http://docs.google.com/org/apache/commons/collections4/Get.html#entrySet--) in interface [Get](http://docs.google.com/org/apache/commons/collections4/Get.html)<K,V> Overrides: [entrySet](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#entrySet--) in class [AbstractMapDecorator](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html)<K,V> Returns: a set view of the mappings contained in this map See Also: [Map.entrySet()](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#entrySet--)

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