| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) | **Use** | [**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) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/security/spec//class-useAlgorithmParameterSpec.html)    [**NO FRAMES**](http://docs.google.com/AlgorithmParameterSpec.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Interface**

**java.security.spec.AlgorithmParameterSpec**

| Packages that use [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) | |
| --- | --- |
| [**java.security**](#3znysh7) | Provides the classes and interfaces for the security framework. |
| [**java.security.spec**](#2et92p0) | Provides classes and interfaces for key specifications and algorithm parameter specifications. |
| [**javax.crypto**](#tyjcwt) | Provides the classes and interfaces for cryptographic operations. |
| [**javax.crypto.spec**](#3dy6vkm) | Provides classes and interfaces for key specifications and algorithm parameter specifications. |
| [**javax.xml.crypto**](#1t3h5sf) | Common classes for XML cryptography. |
| [**javax.xml.crypto.dsig**](#4d34og8) | Classes for generating and validating XML digital signatures. |
| [**javax.xml.crypto.dsig.spec**](#2s8eyo1) | Parameter classes for XML digital signatures. |

| Uses of [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) in [java.security](http://docs.google.com/java/security/package-summary.html) | |
| --- | --- |

| Methods in [java.security](http://docs.google.com/java/security/package-summary.html) with type parameters of type [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) | |
| --- | --- |
| protected abstract   | <T extends [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html)>  T | | --- | | **AlgorithmParametersSpi.**[**engineGetParameterSpec**](http://docs.google.com/java/security/AlgorithmParametersSpi.html#engineGetParameterSpec(java.lang.Class))([Class](http://docs.google.com/java/lang/Class.html)<T> paramSpec)            Returns a (transparent) specification of this parameters object. |
| | <T extends [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html)>  T | | --- | | **AlgorithmParameters.**[**getParameterSpec**](http://docs.google.com/java/security/AlgorithmParameters.html#getParameterSpec(java.lang.Class))([Class](http://docs.google.com/java/lang/Class.html)<T> paramSpec)            Returns a (transparent) specification of this parameter object. |

| Methods in [java.security](http://docs.google.com/java/security/package-summary.html) with parameters of type [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) | |
| --- | --- |
| protected abstract  void | **AlgorithmParametersSpi.**[**engineInit**](http://docs.google.com/java/security/AlgorithmParametersSpi.html#engineInit(java.security.spec.AlgorithmParameterSpec))([AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) paramSpec)            Initializes this parameters object using the parameters specified in paramSpec. |
| protected abstract  void | **AlgorithmParameterGeneratorSpi.**[**engineInit**](http://docs.google.com/java/security/AlgorithmParameterGeneratorSpi.html#engineInit(java.security.spec.AlgorithmParameterSpec,%20java.security.SecureRandom))([AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) genParamSpec, [SecureRandom](http://docs.google.com/java/security/SecureRandom.html) random)            Initializes this parameter generator with a set of algorithm-specific parameter generation values. |
| protected  void | **SignatureSpi.**[**engineSetParameter**](http://docs.google.com/java/security/SignatureSpi.html#engineSetParameter(java.security.spec.AlgorithmParameterSpec))([AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) params)            This method is overridden by providers to initialize this signature engine with the specified parameter set. |
| void | **AlgorithmParameterGenerator.**[**init**](http://docs.google.com/java/security/AlgorithmParameterGenerator.html#init(java.security.spec.AlgorithmParameterSpec))([AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) genParamSpec)            Initializes this parameter generator with a set of algorithm-specific parameter generation values. |
| void | **AlgorithmParameters.**[**init**](http://docs.google.com/java/security/AlgorithmParameters.html#init(java.security.spec.AlgorithmParameterSpec))([AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) paramSpec)            Initializes this parameter object using the parameters specified in paramSpec. |
| void | **AlgorithmParameterGenerator.**[**init**](http://docs.google.com/java/security/AlgorithmParameterGenerator.html#init(java.security.spec.AlgorithmParameterSpec,%20java.security.SecureRandom))([AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) genParamSpec, [SecureRandom](http://docs.google.com/java/security/SecureRandom.html) random)            Initializes this parameter generator with a set of algorithm-specific parameter generation values. |
| void | **KeyPairGenerator.**[**initialize**](http://docs.google.com/java/security/KeyPairGenerator.html#initialize(java.security.spec.AlgorithmParameterSpec))([AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) params)            Initializes the key pair generator using the specified parameter set and the SecureRandom implementation of the highest-priority installed provider as the source of randomness. |
| void | **KeyPairGenerator.**[**initialize**](http://docs.google.com/java/security/KeyPairGenerator.html#initialize(java.security.spec.AlgorithmParameterSpec,%20java.security.SecureRandom))([AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) params, [SecureRandom](http://docs.google.com/java/security/SecureRandom.html) random)            Initializes the key pair generator with the given parameter set and source of randomness. |
| void | **KeyPairGeneratorSpi.**[**initialize**](http://docs.google.com/java/security/KeyPairGeneratorSpi.html#initialize(java.security.spec.AlgorithmParameterSpec,%20java.security.SecureRandom))([AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) params, [SecureRandom](http://docs.google.com/java/security/SecureRandom.html) random)            Initializes the key pair generator using the specified parameter set and user-provided source of randomness. |
| void | **Signature.**[**setParameter**](http://docs.google.com/java/security/Signature.html#setParameter(java.security.spec.AlgorithmParameterSpec))([AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) params)            Initializes this signature engine with the specified parameter set. |

| Uses of [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) in [java.security.spec](http://docs.google.com/java/security/spec/package-summary.html) | |
| --- | --- |

| Classes in [java.security.spec](http://docs.google.com/java/security/spec/package-summary.html) that implement [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) | |
| --- | --- |
| class | [**DSAParameterSpec**](http://docs.google.com/java/security/spec/DSAParameterSpec.html)            This class specifies the set of parameters used with the DSA algorithm. |
| class | [**ECGenParameterSpec**](http://docs.google.com/java/security/spec/ECGenParameterSpec.html)            This immutable class specifies the set of parameters used for generating elliptic curve (EC) domain parameters. |
| class | [**ECParameterSpec**](http://docs.google.com/java/security/spec/ECParameterSpec.html)            This immutable class specifies the set of domain parameters used with elliptic curve cryptography (ECC). |
| class | [**MGF1ParameterSpec**](http://docs.google.com/java/security/spec/MGF1ParameterSpec.html)            This class specifies the set of parameters used with mask generation function MGF1 in OAEP Padding and RSA-PSS signature scheme, as defined in the [PKCS #1 v2.1](http://www.ietf.org/rfc/rfc3447.txt) standard. |
| class | [**PSSParameterSpec**](http://docs.google.com/java/security/spec/PSSParameterSpec.html)            This class specifies a parameter spec for RSA-PSS signature scheme, as defined in the [PKCS#1 v2.1](http://www.ietf.org/rfc/rfc3447.txt) standard. |
| class | [**RSAKeyGenParameterSpec**](http://docs.google.com/java/security/spec/RSAKeyGenParameterSpec.html)            This class specifies the set of parameters used to generate an RSA key pair. |

| Methods in [java.security.spec](http://docs.google.com/java/security/spec/package-summary.html) that return [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) | |
| --- | --- |
| [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) | **PSSParameterSpec.**[**getMGFParameters**](http://docs.google.com/java/security/spec/PSSParameterSpec.html#getMGFParameters())()            Returns the parameters for the mask generation function. |

| Constructors in [java.security.spec](http://docs.google.com/java/security/spec/package-summary.html) with parameters of type [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) | |
| --- | --- |
| [**PSSParameterSpec**](http://docs.google.com/java/security/spec/PSSParameterSpec.html#PSSParameterSpec(java.lang.String,%20java.lang.String,%20java.security.spec.AlgorithmParameterSpec,%20int,%20int))([String](http://docs.google.com/java/lang/String.html) mdName, [String](http://docs.google.com/java/lang/String.html) mgfName, [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) mgfSpec, int saltLen, int trailerField)            Creates a new PSSParameterSpec as defined in the PKCS #1 standard using the specified message digest, mask generation function, parameters for mask generation function, salt length, and trailer field values. |

| Uses of [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) in [javax.crypto](http://docs.google.com/javax/crypto/package-summary.html) | |
| --- | --- |

| Methods in [javax.crypto](http://docs.google.com/javax/crypto/package-summary.html) that return [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) | |
| --- | --- |
| static [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) | **Cipher.**[**getMaxAllowedParameterSpec**](http://docs.google.com/javax/crypto/Cipher.html#getMaxAllowedParameterSpec(java.lang.String))([String](http://docs.google.com/java/lang/String.html) transformation)            Returns an AlgorithmParameterSpec object which contains the maximum cipher parameter value according to the jurisdiction policy file. |

| Methods in [javax.crypto](http://docs.google.com/javax/crypto/package-summary.html) with parameters of type [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) | |
| --- | --- |
| protected abstract  void | **KeyGeneratorSpi.**[**engineInit**](http://docs.google.com/javax/crypto/KeyGeneratorSpi.html#engineInit(java.security.spec.AlgorithmParameterSpec,%20java.security.SecureRandom))([AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) params, [SecureRandom](http://docs.google.com/java/security/SecureRandom.html) random)            Initializes the key generator with the specified parameter set and a user-provided source of randomness. |
| protected abstract  void | **CipherSpi.**[**engineInit**](http://docs.google.com/javax/crypto/CipherSpi.html#engineInit(int,%20java.security.Key,%20java.security.spec.AlgorithmParameterSpec,%20java.security.SecureRandom))(int opmode, [Key](http://docs.google.com/java/security/Key.html) key, [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) params, [SecureRandom](http://docs.google.com/java/security/SecureRandom.html) random)            Initializes this cipher with a key, a set of algorithm parameters, and a source of randomness. |
| protected abstract  void | **MacSpi.**[**engineInit**](http://docs.google.com/javax/crypto/MacSpi.html#engineInit(java.security.Key,%20java.security.spec.AlgorithmParameterSpec))([Key](http://docs.google.com/java/security/Key.html) key, [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) params)            Initializes the MAC with the given (secret) key and algorithm parameters. |
| protected abstract  void | **ExemptionMechanismSpi.**[**engineInit**](http://docs.google.com/javax/crypto/ExemptionMechanismSpi.html#engineInit(java.security.Key,%20java.security.spec.AlgorithmParameterSpec))([Key](http://docs.google.com/java/security/Key.html) key, [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) params)            Initializes this exemption mechanism with a key and a set of algorithm parameters. |
| protected abstract  void | **KeyAgreementSpi.**[**engineInit**](http://docs.google.com/javax/crypto/KeyAgreementSpi.html#engineInit(java.security.Key,%20java.security.spec.AlgorithmParameterSpec,%20java.security.SecureRandom))([Key](http://docs.google.com/java/security/Key.html) key, [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) params, [SecureRandom](http://docs.google.com/java/security/SecureRandom.html) random)            Initializes this key agreement with the given key, set of algorithm parameters, and source of randomness. |
| void | **KeyGenerator.**[**init**](http://docs.google.com/javax/crypto/KeyGenerator.html#init(java.security.spec.AlgorithmParameterSpec))([AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) params)            Initializes this key generator with the specified parameter set. |
| void | **KeyGenerator.**[**init**](http://docs.google.com/javax/crypto/KeyGenerator.html#init(java.security.spec.AlgorithmParameterSpec,%20java.security.SecureRandom))([AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) params, [SecureRandom](http://docs.google.com/java/security/SecureRandom.html) random)            Initializes this key generator with the specified parameter set and a user-provided source of randomness. |
| void | **Cipher.**[**init**](http://docs.google.com/javax/crypto/Cipher.html#init(int,%20java.security.Key,%20java.security.spec.AlgorithmParameterSpec))(int opmode, [Key](http://docs.google.com/java/security/Key.html) key, [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) params)            Initializes this cipher with a key and a set of algorithm parameters. |
| void | **Cipher.**[**init**](http://docs.google.com/javax/crypto/Cipher.html#init(int,%20java.security.Key,%20java.security.spec.AlgorithmParameterSpec,%20java.security.SecureRandom))(int opmode, [Key](http://docs.google.com/java/security/Key.html) key, [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) params, [SecureRandom](http://docs.google.com/java/security/SecureRandom.html) random)            Initializes this cipher with a key, a set of algorithm parameters, and a source of randomness. |
| void | **ExemptionMechanism.**[**init**](http://docs.google.com/javax/crypto/ExemptionMechanism.html#init(java.security.Key,%20java.security.spec.AlgorithmParameterSpec))([Key](http://docs.google.com/java/security/Key.html) key, [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) params)            Initializes this exemption mechanism with a key and a set of algorithm parameters. |
| void | **KeyAgreement.**[**init**](http://docs.google.com/javax/crypto/KeyAgreement.html#init(java.security.Key,%20java.security.spec.AlgorithmParameterSpec))([Key](http://docs.google.com/java/security/Key.html) key, [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) params)            Initializes this key agreement with the given key and set of algorithm parameters. |
| void | **Mac.**[**init**](http://docs.google.com/javax/crypto/Mac.html#init(java.security.Key,%20java.security.spec.AlgorithmParameterSpec))([Key](http://docs.google.com/java/security/Key.html) key, [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) params)            Initializes this Mac object with the given key and algorithm parameters. |
| void | **KeyAgreement.**[**init**](http://docs.google.com/javax/crypto/KeyAgreement.html#init(java.security.Key,%20java.security.spec.AlgorithmParameterSpec,%20java.security.SecureRandom))([Key](http://docs.google.com/java/security/Key.html) key, [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) params, [SecureRandom](http://docs.google.com/java/security/SecureRandom.html) random)            Initializes this key agreement with the given key, set of algorithm parameters, and source of randomness. |

| Uses of [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) in [javax.crypto.spec](http://docs.google.com/javax/crypto/spec/package-summary.html) | |
| --- | --- |

| Classes in [javax.crypto.spec](http://docs.google.com/javax/crypto/spec/package-summary.html) that implement [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) | |
| --- | --- |
| class | [**DHGenParameterSpec**](http://docs.google.com/javax/crypto/spec/DHGenParameterSpec.html)            This class specifies the set of parameters used for generating Diffie-Hellman (system) parameters for use in Diffie-Hellman key agreement. |
| class | [**DHParameterSpec**](http://docs.google.com/javax/crypto/spec/DHParameterSpec.html)            This class specifies the set of parameters used with the Diffie-Hellman algorithm, as specified in PKCS #3: *Diffie-Hellman Key-Agreement Standard*. |
| class | [**IvParameterSpec**](http://docs.google.com/javax/crypto/spec/IvParameterSpec.html)            This class specifies an *initialization vector* (IV). |
| class | [**OAEPParameterSpec**](http://docs.google.com/javax/crypto/spec/OAEPParameterSpec.html)            This class specifies the set of parameters used with OAEP Padding, as defined in the [PKCS #1](http://www.ietf.org/rfc/rfc3447.txt) standard. |
| class | [**PBEParameterSpec**](http://docs.google.com/javax/crypto/spec/PBEParameterSpec.html)            This class specifies the set of parameters used with password-based encryption (PBE), as defined in the [PKCS #5](http://www.ietf.org/rfc/rfc2898.txt) standard. |
| class | [**RC2ParameterSpec**](http://docs.google.com/javax/crypto/spec/RC2ParameterSpec.html)            This class specifies the parameters used with the [*RC2*](http://www.ietf.org/rfc/rfc2268.txt) algorithm. |
| class | [**RC5ParameterSpec**](http://docs.google.com/javax/crypto/spec/RC5ParameterSpec.html)            This class specifies the parameters used with the [*RC5*](http://www.ietf.org/rfc/rfc2040.txt) algorithm. |

| Methods in [javax.crypto.spec](http://docs.google.com/javax/crypto/spec/package-summary.html) that return [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) | |
| --- | --- |
| [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) | **OAEPParameterSpec.**[**getMGFParameters**](http://docs.google.com/javax/crypto/spec/OAEPParameterSpec.html#getMGFParameters())()            Returns the parameters for the mask generation function. |

| Constructors in [javax.crypto.spec](http://docs.google.com/javax/crypto/spec/package-summary.html) with parameters of type [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) | |
| --- | --- |
| [**OAEPParameterSpec**](http://docs.google.com/javax/crypto/spec/OAEPParameterSpec.html#OAEPParameterSpec(java.lang.String,%20java.lang.String,%20java.security.spec.AlgorithmParameterSpec,%20javax.crypto.spec.PSource))([String](http://docs.google.com/java/lang/String.html) mdName, [String](http://docs.google.com/java/lang/String.html) mgfName, [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) mgfSpec, [PSource](http://docs.google.com/javax/crypto/spec/PSource.html) pSrc)            Constructs a parameter set for OAEP padding as defined in the PKCS #1 standard using the specified message digest algorithm mdName, mask generation function algorithm mgfName, parameters for the mask generation function mgfSpec, and source of the encoding input P pSrc. |

| Uses of [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) in [javax.xml.crypto](http://docs.google.com/javax/xml/crypto/package-summary.html) | |
| --- | --- |

| Methods in [javax.xml.crypto](http://docs.google.com/javax/xml/crypto/package-summary.html) that return [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) | |
| --- | --- |
| [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) | **AlgorithmMethod.**[**getParameterSpec**](http://docs.google.com/javax/xml/crypto/AlgorithmMethod.html#getParameterSpec())()            Returns the algorithm parameters of this AlgorithmMethod. |

| Uses of [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) in [javax.xml.crypto.dsig](http://docs.google.com/javax/xml/crypto/dsig/package-summary.html) | |
| --- | --- |

| Methods in [javax.xml.crypto.dsig](http://docs.google.com/javax/xml/crypto/dsig/package-summary.html) that return [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) | |
| --- | --- |
| [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) | **SignatureMethod.**[**getParameterSpec**](http://docs.google.com/javax/xml/crypto/dsig/SignatureMethod.html#getParameterSpec())()            Returns the algorithm-specific input parameters of this SignatureMethod. |
| [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) | **DigestMethod.**[**getParameterSpec**](http://docs.google.com/javax/xml/crypto/dsig/DigestMethod.html#getParameterSpec())()            Returns the algorithm-specific input parameters associated with this DigestMethod. |
| [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) | **Transform.**[**getParameterSpec**](http://docs.google.com/javax/xml/crypto/dsig/Transform.html#getParameterSpec())()            Returns the algorithm-specific input parameters associated with this Transform. |
| [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) | **CanonicalizationMethod.**[**getParameterSpec**](http://docs.google.com/javax/xml/crypto/dsig/CanonicalizationMethod.html#getParameterSpec())()            Returns the algorithm-specific input parameters associated with this CanonicalizationMethod. |

| Uses of [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) in [javax.xml.crypto.dsig.spec](http://docs.google.com/javax/xml/crypto/dsig/spec/package-summary.html) | |
| --- | --- |

| Subinterfaces of [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) in [javax.xml.crypto.dsig.spec](http://docs.google.com/javax/xml/crypto/dsig/spec/package-summary.html) | |
| --- | --- |
| interface | [**C14NMethodParameterSpec**](http://docs.google.com/javax/xml/crypto/dsig/spec/C14NMethodParameterSpec.html)            A specification of algorithm parameters for a [CanonicalizationMethod](http://docs.google.com/javax/xml/crypto/dsig/CanonicalizationMethod.html) Algorithm. |
| interface | [**DigestMethodParameterSpec**](http://docs.google.com/javax/xml/crypto/dsig/spec/DigestMethodParameterSpec.html)            A specification of algorithm parameters for a [DigestMethod](http://docs.google.com/javax/xml/crypto/dsig/DigestMethod.html) algorithm. |
| interface | [**SignatureMethodParameterSpec**](http://docs.google.com/javax/xml/crypto/dsig/spec/SignatureMethodParameterSpec.html)            A specification of algorithm parameters for an XML [SignatureMethod](http://docs.google.com/javax/xml/crypto/dsig/SignatureMethod.html) algorithm. |
| interface | [**TransformParameterSpec**](http://docs.google.com/javax/xml/crypto/dsig/spec/TransformParameterSpec.html)            A specification of algorithm parameters for a [Transform](http://docs.google.com/javax/xml/crypto/dsig/Transform.html) algorithm. |

| Classes in [javax.xml.crypto.dsig.spec](http://docs.google.com/javax/xml/crypto/dsig/spec/package-summary.html) that implement [AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) | |
| --- | --- |
| class | [**ExcC14NParameterSpec**](http://docs.google.com/javax/xml/crypto/dsig/spec/ExcC14NParameterSpec.html)            Parameters for the W3C Recommendation:  [Exclusive XML Canonicalization (C14N) algorithm](http://www.w3.org/TR/xml-exc-c14n/). |
| class | [**HMACParameterSpec**](http://docs.google.com/javax/xml/crypto/dsig/spec/HMACParameterSpec.html)            Parameters for the  [XML Signature HMAC Algorithm](http://www.w3.org/TR/xmldsig-core/#sec-MACs). |
| class | [**XPathFilter2ParameterSpec**](http://docs.google.com/javax/xml/crypto/dsig/spec/XPathFilter2ParameterSpec.html)            Parameters for the W3C Recommendation  [XPath Filter 2.0 Transform Algorithm](http://www.w3.org/TR/xmldsig-filter2/). |
| class | [**XPathFilterParameterSpec**](http://docs.google.com/javax/xml/crypto/dsig/spec/XPathFilterParameterSpec.html)            Parameters for the  [XPath Filtering Transform Algorithm](http://www.w3.org/TR/xmldsig-core/#sec-XPath). |
| class | [**XSLTTransformParameterSpec**](http://docs.google.com/javax/xml/crypto/dsig/spec/XSLTTransformParameterSpec.html)            Parameters for the  [XSLT Transform Algorithm](http://www.w3.org/TR/1999/REC-xslt-19991116). |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html) | **Use** | [**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) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/security/spec//class-useAlgorithmParameterSpec.html)    [**NO FRAMES**](http://docs.google.com/AlgorithmParameterSpec.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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