public final class Summary: <u>Nested Classes | Constants | Inherited</u>

Constants | Fields | Methods | Inherited Methods |

[Expand All]

Added in API level 9

InputDevice

extends <u>Object</u>

implements Parcelable

java.lang.Object

₽ android.view.InputDevice

Class Overview

Describes the capabilities of a particular input device.

Each input device may support multiple classes of input. For example, a multi-function keyboard may compose the capabilities of a standard keyboard together with a track pad mouse or other pointing device.

Some input devices present multiple distinguishable sources of input. Applications can query the framework about the characteristics of each distinct source.

As a further wrinkle, different kinds of input sources uses different coordinate systems to describe motion events. Refer to the comments on the input source constants for the appropriate interpretation.

Summary

Nested Classes

Provides information about the range class InputDevice.MotionRange of values for a particular MotionEvent axis.

Constants

The keyboard supports a

int KEYBOARD_TYPE_ALPHABETIC complement of alphabetic

keys.

int KEYBOARD_TYPE_NONE There is no keyboard.

int KEYBOARD_TYPE_NON_ALPHABETIC The keyboard is not fully

alphabetic.

This constant was deprecated

int MOTION_RANGE_ORIENTATION in API level 12. Use

AXIS_ORIENTATION

instead.

Android APIs API level 19 was deprecated

<u>UIIIUVIWIMUMUMUMIMMINUMI YFU</u>MOJOUNE

android.telephony.gsm AXIS PRESSURE instead.

android.test

android test mecksize android.test.suitebuilder

android.text

android.text.format

ant Moit Rexemble En Togol_MAJOR

android.text.style android.text.util

amtdMoTolQtNa.RANtROEn.TOOL_MINOR

android.util

android.view

android.view.accessibility antdWoitIQNeWANGIFTTERIGH_MAJOR

III AFTIEVEL IZ Use

This constant was deprecated

in API level 12. Use AXIS SIZE instead.

This constant was deprecated

in API level 12. Use

AXIS TOOL MAJOR instead.

This constant was deprecated

in API level 12. Use

AXIS TOOL MINOR instead.

was deprecated

in API level 12. Use AXTS TOUCH MAJOR

View IreeUbserver.OnDrawListenerinstead.

ViewTreeObserver.OnGlobalFocusChangeListe was deprecated

ViewTreeObserver.OnGlobalLayoutListener 12 Use WHE WITE BOURSEY VE TOH PHE DIN BORE IS TOUCH MINOR

ViewTreeObserver.OnScrollChangedListener ViewTreeObserver.OnTouchModeChangeLister

ViewTreeObserver.OnWindowAttachListener was deprecated WIEWTHEEOBSETVEr. OnWindowFocus Changelis Use AXIS_X

Window.Callback

WindowManager int MOTION_RANGE_Y

This constant was deprecated in API level 12 Use AXIS Y

instead.

Classes

Abs<u>SavedState</u> ActionMode ActionProvider Choreographer

CantaxtThemeWrappedN

Display

DragEvent mi Source_class_joystick

GestureDetector

Gesture Betector Maste On Gesture Listener

Gravity

Hitapantants

InputDevice

InputDevice.MotionRange Int SOURCE CLASS POINTER

InputQueue

KevCharacterMap

A special input source constant that is used when filtering input devices to match devices that provide any type of ir put source.

The input source has buttons or ke/s.

The input source is a

joystick.

A mask for in out source

The input sor rce has no

ine input soi rce is a pointing devise associated with a display.

Android APIs

The input source is an tioning device API level 19

____d with a

The input source is a

The input source is a

The input source is a

nainting devise.

SOURCE CLASS POINTER).

trackball nav gation device.

The input sor rce is a DPad.

The input source is a game

The input sor rce is a mouse

display (unlike

pad.

joystick.

arran era: terepi ierry.earria

android.telephony.gsm

android.test

android.test.mock

and old rest and bridges and a state of the state of the

android text DPAD android.text.format

amos o i de cexce annethacod android.text.style

andraid text dyte Tick android.transition

android util VEVBOARD

android.view

android.view.accessibility

andiold Viewahimation

View IreeObserver.OnDrawListener The input source is a stylus WIEWATER DISTRICTION ON GIODALFOCUS CHARGELISTS: e.

ViewTreeObserver.OnGlobalLayoutListener
ViewTreeObserver.OnPreDrawListener
ViewTreeObserver.OnScrollChangedListener
ViewTreeObserver.OnScrollChangedListener
ViewTreeObserver.OnScrollChangedListener

View IreeObserver.OnTouchModeChangeLister

ViewTreeObserver.OnWindowFocusChangeList

WindowGallbacksCperv

The input source is a touch

WindowManager

int SOURCE_TOUCH_NAVIGATION Classes

AbsSavedState

Anott BOOT MODE OF RACKBALL

ActionProvider

Choreographer_{NOWN} ContextThemeWrapper

Displainherited Constants [Expand] <u>DragEvent</u> ferface android.os.Parcelable FocusFinder **Fields** GestureDetector

Gravity **Public Methods**

HapticFeedbackConstants describeContents ()

InputDevice

InputDevice.MotionRangent

<u>InputEve</u>nt InputQueue

KevCharacterMap

screen pointing device.

should be interpreted as

navigation events.

trackball.

unknown.

The input source is a

The input source is

The input source is a touch device whose motions

Describe the kinds of special

objects contained in this Parcelable's marshalled

representation.

02/28/2014 07:28 PM

getControllerNumber()

er for a given Android APIs API level 19 anaroia.ccicpnony.cama iliput ucvice. android.telephony.gsm getDescriptor() android.test Gets the input device descriptor, String android.test.mock which is a stable identifier for an android.test.suitebuilder input device. android.text getDevice (int id) android.text.format android.text.met.hod tDevice Gets information about the input device with the specified id. android.text.style android.text.util getDeviceIds() android.transition static int[] Gets the ids of all in out devices in android.util the system. android.view android.view.accessibilitynt Gets the input device id. android.view.animation View IreeObserver.OnDrawListener..... ViewTreeObserverrender Baif Setsthat Abeliese er map ViewTreeObserver.OnGlobalLageOrietelenthis input device. ViewTreeObserver.OnPreDramedKisstlemædType() ViewTreeObserver.OnScrollChangedListenatt type. ViewTreeObserver.OnTouchModeChangeLister (is, int source) ViewTreeObserver.OnWindowAttachListener
Gets information about the range ViewTreeObserver.OnWindowFets information about to ViewTreeObserver.OnWindowFets information about to ViewTreeObserver.OnWindowFets information about to ViewTreeObserver.OnWindowGets information about to ViewTreeObserver.OnWindowFets information about the ViewTreeObserver.OnWindowFets info Window.Callback MotionEvent axis used by a WindowManager particular source on the device. getMotionRange (int a cis) Gets information about the range Classes Device. Motion Range of values for a particular AbsSavedState MotionEvent axis. ActionMode getMotionRanges() ActionProvider <u>Choreographer</u> MotionRange> Gets the ranges for all axes supported by the de *ice*. ContextThemeWrapper getName() Display DragEvent String Gets the name of this input FocusFinder device. GestureDetector getProductId() GestureDetector.SimpleOnGestureListener Gets the product id or the given Gravity device, if available. HapticFeedbackConstants InputDevice Gets the input sources supported InputDevice.MotionRangent by this input device as a InputEvent combined bitfield. InputQueue KevCharacterMap

getVendorId()

API level 19 or the given Android APIs

anaroia.ccicpnony.cama uevice, ii avaiiabie.

android.telephony.gsm getVibrator()

android.test

Gets the vibrator service android.test.mock Vibrator associated with the device, if

android.test.suitebuilder there is one.

android.text hasKeys (int... keys)

android.text.format Gets whether the de lice is

android.text.methogoolean[] capable of producin 1 the list of android.text.style keycodes.

android.text.util android.transition isVirtual()

android.util Returns true if the device is a android.view ather than a

android.view.accessibility real one, such as the virtual

android.view.animation keyboard (see

View IreeObserver.OnDrawListeneual KeyBoard).

ViewTreeObserver.OnGlobalEecusChangeListe

ViewTreeObserver.OnGlobalLayoutListener
ViewTreeObserver.OnPieiDgawListener
ViewTreeObserver.OnScrollChangedListener
ViewTreeObserver.OnScrollChangedListener
ViewTreeObserver.OnTouchModeChangeLister

ViewTreeObserver.OnWindoWAttachingtened out, int flags)

ViewTreeObserver.OnWindowFlottendhia កម្លាំectis to a Parcel.

Window Cail DEM Kthods [Expand]

WindowManagerang.Object

From interface android.os.Parcelable

Classes

Abshayan state

Action Mode

ActionProvider

<u>Cholice contains him</u>al int

<u>(KOETYTEROJA PITA DE ITYETYTET PITA DE PITA DE TIC</u> Added in API level 9

Display

Drage kay heard supports a complement of alphabetic Leys.

FocusFinder Constant Value: 2 (0x00000002) GestureDetector

GestureDetector.SimpleOnGestureListener

Complicy static final int KEYBOARD_TYPE_NONE Added in API level 9

HapticFeedbackConstants

InputDevice

InputDevice MotionRange 000)

<u>InputEve</u>nt InputQueue

keuldin at a tied in the

KEYBOARD TYPE NON ALPHABETIC Added in API level 9 Android APIs API level 19 eric keypad or " 'an assortment' of Buttons' that are not mapped as all habetic keys android telephony gsm android.test andonistates/almork(0x00000001) android.test.suitebuilder android text public static final int android text format MOTION RANGE ORIENTATION android text method Added in API level 9 android text style This constant was deprecated in API level 12. android text Hill android text Hill android transition android. transition android. util android.view android.view.accessibility android.view.animation <u>ViewIrgeObserver.OnDrawLi</u>stener ViewTreeObserver,OnGlobalFocusChangeListe View freeObserver. On Global Layout Listener ViewTseerObsleeve(COORDEDDS)wListener ViewTreeObserver.OnScrollChangedListener iew:TreeObserver: Quotish Madechange Sister Added in API level 9 View TreeObserver. On Window Attach Listener ViewTreeObserver.OnWindowFocusChangeList Window Callback URE (/reference/android WindowManager WindowManager WindowMotionEvent.html#AXIS PRESSURE) instead. Constant for retrieving the range of values for AXIS PRESSURE Classes ce/android/view/MotionEvent.html#AXIS PRESSUF =). AbsSavedState Action Mode ActionMerbianteange(int) Choreographer: 2 (0x00000002) ContextThemeWrapper Display நடித்து static final int MOTION_RANGE_SIZE Added in API level 9 FocusFinder Gesturenettettor Gesture Event .html#AXIS SIZE) **Grinstea**d. HapticFeedbackConstants SIZE InputDevice InputationEvent.html#AXIS_SIZE). InputEvent InputQueue

Keyethatace mag (int)

Constant Value: 3 (0x00000003)

Android APIs API level 19

<u>ФЛИМИНА ЖТЕМІЮ ІМПЯНТІМІС</u>ОТПО

and toook telephone in coope major

Added in API level 9

android.test

andhisidonssammoaskdeprecated in API level 12.

andseitXtest.90itetAJi0tet/reference/android

android text Event. html #AXIS TOOL MAJOR) instead.

android.text.format

androistabe to meet third the range of values for AXIS TOOL MAJOR

android text style / view/Motion Event. html #AXIS TOOL M4 JOR).

android.text.util

anslee indistoransition

android utilnRange (int)

android.view

and Potent Wile Edgs Will Whoe)

android.view.animation

Valenti or etectios errolem ton Draw Listener

WENTONE BANGE GIOOL GWINDIR OCUS Change Liste Added in API level 9

ViewTreeObserver.OnGlobalLayoutListener

Vietwireer@tossewærd@precetocatw&Pstleyrebit2.

Viele TASACS DECOVER IN BROWN THE PROPERTY OF THE PROPERTY OF

View Tree Observen O #A Tosu cho Monder Christoped Lister

ViewTreeObserver.OnWindowAttachListener

Viewn record for certifier logitive metroda For religion AXIS TOOL MINOR

Winderwand Ibackd/view/MotionEvent.html#AXIS TOOL MI NOR).

WindowManager

See Also

getMotionRange(int)

Classes Value: 7 (0x00000007)

AbsSavedState

Action Mode final int

METPON PARTIE TOUCH MAJOR

Added in API level 9

Choreographer

ContextThemeWisdleDecated in API level 12.

DisplaxXIS TOUCH MAJOR (/reference/android

Pragevent instead.
<u>Pragevent NotionEvent.html#AXIS TOUCH MAJOR</u> instead.

Gesture Detector Simple On Gesture Listener (ASIS TOUCH MAJOR Gesture Detector Simple On Gesture Listener (AJOR).

Grávity

HapticFeedbackConstants

InputDevice

InputDevice. MotionRange Inplote the that the last the state of the last the last

InputOueue

KevCharacterMap 7 of 19

public static final int

Added in API level 9 Android APIs API level 19

andrisigonstant was deprecated in API level 12.

and 8 AXIS I OUCH MINOR (/reference/android

andriewo Metrist Emergic Let ml #AXIS_TOUCH_MINOR) instead.

android.test.suitebuilder

an@ postent for retrieving the range of values for AXIS_ TOUCH_MINOR

and/refereex/aformidatiew/MotionEvent.html#AXIS_TOUCH_N_INOR).

android.text.method

an an area in the analysis and area in the area in the

andeoMotexoRatilge(int)

android transition (0x00000005)

android.util

android.view

anythicistatiswijaetiestalylonton_RANGE_X

Added in API level 9

android.view.animation

View free Observer: Undrawlistener:

View reed by erver concrete the server of th

Vie₩₩₩eeObserver.OnGlobalLayoutListener

ViewTreeObserver.OnPreDrawListener
ViewTreeObserver.OnPreDrawListener
X (/reference View IreeObserver.OnScrollChangedListene

Viewtree Observer On to the World Change Lister

ViewTreeObserver.OnWindowAttachListener

View TreeObserver.OnWindowFocusChangeList

Window.cambange(int)

Windows Marsagen (0x0000000)

public static final int MOTION_RANGE_Y Classes

Added in API level 9

Ab தேத் ஒளுத்து கூலை deprecated in API level 12.

ACHIPPANTAGEY (/reference/android/view/MotionEvent.htm _#AXIS Y)

Actrionel dovider

Choreographer

Contextent to retween the range of values for AXIS Y (/reference

Digardroid/view/MotionEvent.html#AXIS Y).

DragEvent

Fo**Sas Alag**er

Gestulle Dietekange (int)

GestureDetector SimpleOnGestureListener

Gravity

HapticFeedbackConstants

InputDevice

Added in API level 9

InputDevice MotionRange

InputEvent devices that provide any type of int ut source. InputQueue

Constant Value: -256 (0xffffff00)

Android APIs API level 19

ATHAIR ATHAIR HITRI TWIF SOME OF LOCATION Added in API level 9

android.telephony.gsm

and he idput gource has buttons or keys. Examples:

an ROURCE SEYROARD (/reference/android

and folitex tw/InputDevice.html#SOURCE DPAD). A KeyEvent (/reference

android text formatt.html) should be interpreted as a button or key

android text method aracterMap() (/reference/an lroid

android.text.style //rew/inputbevice.html#getKeyCharacterMap()) to query he device's android.text.util

android transition and revinappings.

android util alle 1 (nynnnnnn1)

android.view

android.view.accessibility

anylogination in API level 12

View Iree Observer On Global Focus Change Liste View Tree Observer On Global Focus Change Liste View Tree Observer On Global Focus Change Liste View Tree Observer On Global Lawrence Tistener View Tree Observer On Global Lawrence Construction Range Listener View Tree Observer On Global Lawrence Construction Range Listener Construction Range Range

Viewith People spice of the same of the s

Viewaitees bserver. On Touch Mode Change Lister

ViewTreeObserver.OnWindowAttachListener

View Tree by Lerver On William Focus Change List

Window.Callback

<u> Windo ซาไซเล็ด ลิติ</u> elrint SOURCE_CLASS_MASK

Added in API level 9

A mask for input source classes. Each distinct input source

Classes has one or more input source class bits set to specify the desired interpretation for its input events.

AbsSavedState

AcGonstanty Lalue: 255 (0x000000ff)

ActionProvider

Added in API level 18

ContextThemeWrapper

Distriput source has no class. It is up to the application to

Dracteveine how to handle the device based on the device type.

FocusFinder

Gestustante Yalue p (0x00000000)

GestureDetector.SimpleOnGestureListener

Graditic static final int SOURCE_CLASS_POINTER Added in API level 9

HapticFeedbackConstants

a display. InputDevice

Interpretation (/reference/android

In privite M/Jennit Device.html#SOURCE TOUCHSCREEN), SOURCE MOUSE

Input@utelde android/view/InputDevice.html#SOURCE MOUSE). A

KevCharacterMap

```
MotionEvent (/reference/android/view/MotionEvent.html) should be
                                                       ccording to the
                                        API level 19
Android APIs
                                                       pinter down/up
an<del>aronares promy, carrie</del>
anidicial teel report they tips grant touches the display or when the selection
anburtion.testessed/released. Use getMotionRange(int)
and reference (int)) to
android test suite buildenting device. Some devices permit
android testiside the display area so the effective ran je may be
and role than the actual display s ze.
android.text.method
andoostabe Xtalstey le(0x00000002)
android.text.util
android transition Added in API level 9
android.util
android.view
                                                       t associated
and hold disolara (On the stoll by E CLASS POINTER (/r : ference/android
and raid wiew animation of CLASS DATATED 1) A Mation Event
VIEWIFEEODSETVET/UNIMAWILISTENERI) should be interpreted as
ViewTreeObserver.OnGlobalFocusChangeListe Use
ViewTreeObserver.OnGlobalLayoutListener
View free Observer. On Pre Draw Listener
View free Observer. On Scroft Change of View free Observer.
View 11 60 bserver. On Touch Mode Change Lister
ViewTreeObserverOnWindowAttachListener
ViewTreeObserver.OnWindowFocusChangeList
Window.Callback
\pyindig singlin final-int SOURCE_CLASS_TRACKBALI .Added in API level 9
   The input source is a trackball navigation device. Examples:
   SOURCE TRACKBALL (/reference/android
Classes
/view/InputDevice.html#SOURCE_TRACKBALL). A MotionEvent
Abs Saved State oid / view / Motion Event. html) should be interpreted as
Action Mode vements in device-specific units used for navigation
Action Providenter down/up indicates when the selection button is
Chareographer Use getMotionRange(int) (/r:ference/android
ContextThemeWrapper ContextThemeWrapper to query the range of
Display
Dragevent
Focus Findevalue: 4 (0x00000004)
GestureDetector
GestureDetector.SimpleOnGestureListener
முடிய்டி static final int SOURCE_DPAD
                                                       Added in API level 9
<u>HapticFeedbackConstants</u>
InputDevice
Input Device. Motion Range
Input Event LASS BUTTON
<u>InputQueue</u>
Keў@isaratcYalчя:ад 3 (0х00000201)
```

public static final int **SOURCE GAMEPAD** Added in API level 12 Android APIs API level 19 android_telephony.gsm android.lest and the state of android.test.mock android.test.suitebuilder anaguratextass BUTTON andraidatextiformots (0x00000401) android.text.method android.text.style public static final int SOURCE_JOYSTICK android.text.util Added in API level 12 android transitions a joystick. (It may also be a SOUF CE GAMEPAD android.util android.view android view.accessibility android view animation ... View IreeObserver. UnDrawListener Viewmeeobelerver. To he will be thange Liste ViewTreeObserver.OnGlobalLayoutListener View:Tree@bserver.ConfineDrawtvstanen Added in API level 9 ViewTreeObserver.OnScrollChangedListener Viethetiere Observers Okerboeth Tide Chareciedister pretty much ViewmheeObsehoebonandrowatkeyhoatdhyre() (/reference ViewTreeObserverondwindewKoousChanoebistermine Window Call De Ploard has alphabetic keys and can be used to enter WindowManager See Also CISOSUS GES CLASS BUTTON Ab@SaxtendState: 257 (0x00000101) ActionMode ACTION STATE OF THE PROPERTY O Added in API level 9 Choreographer Cortextpute an ed A/rap precuse pointing device. This code is also used Disorather mouse-like pointing devices such as trackpads and Drange Wood intts. FocusFinder Gestares etector GestureDetlersbr.ButhtleDnGestureListener <u>Gravity</u> <u>HapticFeedbackConst</u>ants InputDevice I AMPHOSTATION TO THE FINAL HOLD THE PROPERTY OF THE PROPERTY Added in API level 14 InputEvent fine input source is a stylus pointing device. InputQueue

```
Note that this bit merely indicates that an input device is capable of
                                                                                                                        API level 19
 Android APIs
                                                                                                                                                                   e returned by
 <u>anarola releption y e</u>arna
 android telephony dsm reference and roid
 andrew Merigh Event.html #getToolType(int)) for each individual pointer.
 android.test.mock
 and wildle to we multiple pointers with different tool types,
 and one pointer with tool type
 and the text of the second residual and resi
 and another pointer with
 anthrolite restrict PE STYLUS (/reference/android
 and fold text tutil . html #TOOL TYPE STYLUS). So it is important to
 andraid transition type of each pointer, regardless of the source
 android Htv getSource() (/reference/android
 android.view
 android.view.accessibility
 android view animation
 <u>VIEWIREEODSERVERONDERAWLI</u>stener
 View TreeObserver. On Global Focus Change Liste
 Viewmeen balerver 36 Croban 49 Paut Listener
 ViewTreeObserver.OnPreDrawListener
  <u>View:Tree@bserwer:@nsignoltChangadkis</u>tener
                                                                                                                                                                    Added in API level 9
 ViewTreeObserver.OnTouchModeChangeLister
 Vietweiter Observers Otoman down that the ister of the that is not
 Viewstreie 10th sheith verdison by invalid the Early REE hard the ISIG! EEN
 Winderwand Ibackd/view/InputDevice.html#SOURCE TOUCH SCREEN)).
 WindowManager
          See Also
          SOURCE CLASS POSITION
 Classes Value: 1048584 (0x00100008)
 AbsSavedState
 Action Mode final int SOURCE_TOUCHSCREEN Action Provider
                                                                                                                                                                    Added in API level 9
 Choreographere is a touch screen pointing device.
 ContextThemeWrapper
 Disse Also
 DraduracentCLASS POINTER
 FocusFinder Value: 4098 (0x00001002)
 GestureDetector
 GestureDetector.SimpleOnGestureListener
 (Pth Vije static final int SOURCE_TOUCH_NAVIGATIO Noted in API level 18
 HapticFeedbackConstants whose motions of ould be
Input Device. Motion Range Input Device. Input Device Input Device. The same Inanner as Input Device. Input Oueue Input 
 InputDevice
```

See Also

Android APIs

API level 19

---- Constant Value: 2097152(0x00200000)

android.telephony.gsm

android.test

and in steties final int SOURCE_TRACKBALL

Added in API level 9

Added in API level 9

android test suitebuilder

android text

and roid text. format

and roid text method CKBALL

android.text.style

<u>anមិក្សាម៉ាក្នុង វិទ្យាម [il65540 (0x00010004)</u>

android.transition

<u> வாலால் பேயு</u> file final int SOURCE UNKNOWN

android.view

andheidpviewwwecessibhbbyn.

android.view.animation

View IreeObserver. UnDrawListener

ViewTreeObserver.OnGlobalFocusChangeListe

Liew Tree Observer. On Global Layout Listener

View 18 e Observer. On Pre Draw Listener

ViewTreeObserver.OnScrollChangedListener

View.TreeObserver.OnTouchModeChangeLister
View.TreeObserver.OnTouchModeChangeLister
Added in API level 9 View free Observer. On Window Attach Listene

ViewTreeObserver.OnWindowFocusChangeList

Window.Callback

₩www.apples

Public int describeContents ()

Added in API level 9

Abassvibethakinds of special objects contained in this Parcelable's Action representation.

ActionProvider Returns Choreographer

Contextindicating the set of special object types niarshalled by

Disblavarcelable.

DragEvent

Added in API level 19

GestureDetector

Getheredetelectorship beonices ture distinct

Each gamepad or joystick is given a unique, positive controller HapticFeedbackConstants

InputDevice

InputDevice.MotionRange userice disconnects / 12connects or user initiated reassignment. Any change in number vill trigger an inputEvent

InputEvent
event that can be observed by registering an
InputOueue
ThoutManager.InputDeviceListener (/referer ce/android
KeyCharacterMap

/hardware/input/InputManager.InputDeviceListener.html).

Android APIs API level 19 s will be android.telephony.gsm <u>android te</u>st android.test.mock The controller number of the device. android.test.suitebuilder android.text anythin String det Descriptor () Added in API level 16 android.text.method android, text. Style android text util android transition escriptor uniquely identifies an input device. Its android. Withended to be persistent across system restarts, andput ucrioc io aiocoiii ected, android view accessibility at any time. android.view.animation VIEWS PERSONSERVETECEND PRIMILISTEEN ENTOUTDEVICE /reference ViewTracobactivational laboration of the constant of the const ViewTreeObserverOnGloballayoutlisteners where a single ViewTrae Quarte Confide Drawliste The fut Device (/reference ViewTreeObserver OnScrollChangedListener (Hib collections) that View IreeObserver On Touch ModeChangeLister
View IreeObserver On Mindow Attach Listener
View IreeObserver On Window Focus Change Listener
View IreeObserver On Window Focus Change Listener
View IreeObserver On Window Focus Change Listener
Window Callback
Window Callback
Window Manager The input device descriptor returned by getDescriptor() (/reference/android/view/InputDevice.html#getDescriptcr()) should Classes used when an application needs to remembe settings Abassaviates by the a particular input device. For all other purposes ActinerMedering to a logical InputDevice (/reference/android Action Providerce. html) instance at runtime use the id returned by Choreographeference/android/view/InputDevice.html#g:tId()). ContextThemeWrapper Di**saeta**nas Drage Ment device descriptor. FocusFinder GestureDetector Busticre Buckery Service of Revice (intiglener Added in API level 9 Gravity Information about the input device with the specified id. HapticFeedbackConstants InputDevice InputDevice MotionRange InpúťEvent Inpretureue

The input device or null if not found.

```
Android APIs
                                                                                                API level 19
dimmimateric kith demenieetas ()
                                                                                                                                   Added in API level 9
android.telephony.gsm
and the de of all input devices in the system.
android.test.mock
android.test.suitebuilder
andre input device ids.
android.text.format
and the control of th
                                                                                                                                   Added in API level 9
android.text.style
andetsicheineutelevice id.
android transition
Each input device receives a unique id when it is first configured by android util
android. View.accessibility reconfigured at any time. If you require a stable identifier for a android. View.animation
View reeOpserver OnDrawListener
View TreeObserver.OnGlobalFocusChangeListe
View Tree Observer. On Global Layou t Listener
View.TreeObserver.OnPreDrawListener
<u>View TreeObserver.OnScrollChangedListener</u>
ViewTreeOBSECVer.OnTouchModeChangeLister
ViewTreeObserver.OnWindowAttachListener
Vietwit Reather acting a Wiredicev Etharact between (i) St. Added in API level 9
Window.Callback
Windown devacter map associated with this input device.
       Returns
Classes

The key character map.
AbsSavedState
bublic int getKeyboardType ()
ActionMode
                                                                                                                                   Added in API level 9
Actions Provide Gard type.
Choreographer
CohetextshemeWrapper
Distalveyboard type.
DragEvent
FocusFinder
public InputDevice.MotionRange getMotionRange
GestureBetector
(int axis, int source)
GestureDetector.SimpleOnGestureListener
                                                                                                                                   Added in API level 12
Gravisynformation about the range of values for a part cular
HantighedbackConstantsndroid/view/MotionEvent.rtml) axis used
InputDe<u>vi</u>ce
                                                       _ _ ... ports multiple
Input Device Motion Range have different meanings for each
Input Event
InputQueue
```

Parameters

Android APIs

API level 19

<u>ചായുത്തുടെ പ്രസ്താര്</u> elfor which to return informatio പ android.telephony.gsm

an**Bet**ichtest

and pidrtast mades, or null if the requested axis is not supported

android test suitebuilder

android.text android.text.format

andfold.text.method

and delatext.style

android.text.util

कार्यालं के प्रकार के प्र

android util

Added in API level 9

android.view

and etaich foiemataonce soulbithey range of values for a part cular

an Motion New Ananimation relation and roid / view / Motion Event. It tml) axis. If the

Viewwipe subprets/enutiple sawicestelmes ame axis may have different

Viewe Three 3 lose eaver . On Geo Bellinos ins Ghraatige Labor the first axis

VietovuTree teachers exerce in Glob beach Lia (countation teacher) the axis for a

Vieweriée Goserwere On Propria Maistenient, int) (/reference

ViewTreeObserweroOnScrollChangedhistenerint)).

ViewTreeObserver.OnTouchModeChangeLister

View Time e Glasserver. On Window Attach Listener

ViewTreeQbserver.QnWindowFocusChangeList

Window.Callback

Wi**Retow**Manager

The range of values, or null if the requested axis is not supported by the device.

Classes

Abs@es/edState

Action:Møde

ActionProvider

Choreographer

Thic List Input Device Motion Range>

getMotionRanges ()

Added in API level 12

<u>Drages</u> tentanges for all axes supported by the device.

FocusFinder

Gestura Detector

GestureDatectorSimpleOnGestureListener

Gravity.

Hap<u>ticFeedbackConst</u>ants

InputDevice

InputDevice.MotionRange

InputQueue

Added in API level 9

Gets the name of this input device.

Android APIs API level 19 android telephony gem android.test and the interest Producted () Added in API level 19 android.test.suitebuilder and the product id for the given device, if available. android text format
A product in uniquely identifies which product within the address
android text method
space of a given vendor, identified by the device's vendor id. A value
android text style
of 0 will be assigned where a product id is not available.
android text.util and roid transition android utile id of a given device android.view android.view.accessibility Added in API level 9 and the structure of th VIEW IT THE WHOLE SOURCES SUPPORTED BY THE INDUIT DEVICE as a View Tree Observer. On Global Focus Change Liste ViewTreeObserver.OnGlobalLayoutListener ViewiTreeObserver.OnPreDrawListener ViewTreeObserver.OnScrollChangedListener ViewTreeObserver.OnTouchModeChangeLister ViewTreeObserver.OnWindowAttachListener Mew Free 98549 Wer. In Window Focus Change List Added in API level 19 Window Callback for the given device, if available. WindowManager A vendor id uniquely identifies the company who manufactured the device. A value of 0 will be assigned where a vendor | d is not Claysistels. <u>AbaSawedSta</u>te ActionMode ActionProvider Choreographer (Dellation of the complete contraction () Added in API level 16 Display
Gets the vibrator service associated with the device, f there is one.
DragEvent
Every if the device does not have a vibrator, the result is never null.
Focus Finder
Use has vibrator() (/reference/android
GestureDetector

Tot (Vibrator html #bas Vibrator()) to determine whethe a vibrator is Gesture to determine whethe a vibrator is Graverent. Note that the vibrator associated with the device may be Hattlered to system vibrator. To obtain an instance of the tring) InputDevice In printed betwice a Mindio York as mige InputeMentenl#getSystemService(java.lang.String)) with

Input Que SERVICE (/reference/android/content

KevCharacterMap

```
/Context.html#VIBRATOR SERVICE) as argument.
```

Android APIs API level 19 anaroia.ccicpnony.cama and by the provice associated with the device, never null. android.test and roid destant (int... keys) Added in API level 19 android.test.suitebuilder an@ets ov hester the device is capable of producing the ist of anknysiedtext.format android.text.method android text style and keightex the utsit of android keycodes to check for. android.transition android.util hether the android.view and wife is em able et gan mating the keycode given by the aneroean poreding malle et the same index in the keys ar ay. View IreeObserver.OnDrawListener Viety/Tracolese is veir Qa Global Focus Change Liste Added in API level 16 ViewTreeObserver.OnGlobalLayoutListener Vie Rethree or He if the identifier is Daryithia singly to device rather than a real Viewarsuch as the kirtual sevanarial seculiary and bearn Viewefree@byardroid/@ry/Keychalkhoted/ah html:/#IREL/Abr <EYBOARD)). ViewTreeObserver.OnWindowAttachListener Vie/Wither Groups device Soft entrolided to cinsternant exists m-level Wifted tip realing and should not be seen or configured by users. WindowManager Returns True if the device is virtual. Classes AbssavedState ActionMode Action Browid CString () Added in API level 9 Choreographer CoRetaining a concise, human-readable description Dishtais object. Subclasses are encouraged to override this method Drand previde an implementation that takes into account the object's Fotogram delata. The default implementation is equivalent to the Getetlowippeexpression: GestureDetector.SimpleOnGestureListener <u>Gravit</u>yetClass().getName() + '@' + **Integer**.toHexString <u>HapticFeedbackConst</u>ants InputDevice In Sep Writing among the post raing method (/reference/java/ and Inpote went writing to String) if you intend implementing your own Input to the true method.

Added in API level 9

Returns

Android APIs

API level 19

anaroia.ccicpnony.cama

android talephonyascel (Parcel out, int flags)

android test

an Election the standiection to a Parcel.

android.test.suitebuilder

and the state of

android.textsformet in which the object should be written.

android.text.method android.text.style android.text.style

android.util

android.view

android.view.accessibility

android.view.animation

View IreeObserver.OnDrawListener

ViewTreeObserver.OnGlobalFocusChangeListe

ViewTreeObserver.OnGlobalLayoutListener

ViewTreeObserver.OnPreDrawListener

ViewTreeObserver.OnScrollChangedListener

ViewTreeObserver.OnTouchModeChangeLister

ViewTreeObserver.OnWindowAttachListener

ViewTreeObserver.OnWindowFocusChangeList

Window.Callback

WindowManager

Classes

AbsSavedState

ActionMode

ActionProvider

Choreographer

ContextThemeWrapper

Display

DragEvent

FocusFinder

GestureDetector

GestureDetector.SimpleOnGestureListener

Gravity

HapticFeedbackConstants

InputDevice

InputDevice.MotionRange

InputEvent

InputQueue

KevCharacterMap