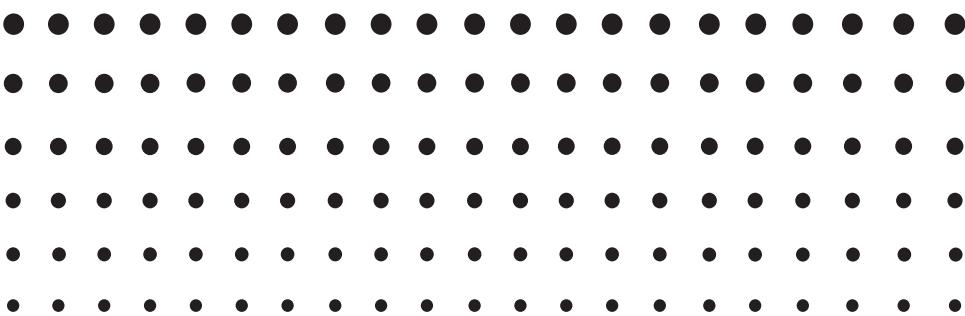


# *CASIO ClassPad App*

(pour Android, pour iOS)

## *Mode d'emploi*



URL du site web CASIO Education

<https://edu.casio.com>

Des manuels sont disponibles en plusieurs langues à

<https://world.casio.com/manual/calc/>

# Informations préliminaires

- Vous pouvez utiliser votre ClassPad App pour développer des programmes et eActivity en utilisant les mêmes commandes que celles du ClassPad. Les programmes et les eActivity peuvent être enregistrés sur votre dispositif mobile.
- La ClassPad App présente les fonctionnalités suivantes.
  - Emulation du ClassPad, permettant d'effectuer des opérations du ClassPad sur votre dispositif mobile
  - Capture d'écran d'émulation du ClassPad (dans le presse-papiers)
  - Copie et collage de données (texte, valeurs, expressions, etc.) entre la ClassPad App et d'autres applications

## **Remarque**

- Reportez-vous au mode d'emploi du ClassPad pour le détail sur le fonctionnement de l'émulateur du ClassPad.
- Les exemples d'écran dans ce mode d'emploi servent à titre illustratif seulement. Dans la pratique, le texte et les valeurs affichés pourront être différents des exemples figurant dans ce mode d'emploi.

## Configuration système requise

### Android

Systèmes d'exploitation : Android 5.0, Android 6.0, Android 7.0, Android 8.0

### iOS

Systèmes d'exploitation : iOS 11, iOS 12

## **Remarque**

- Pour obtenir les dernières informations sur la configuration requise, visitez le site Internet à l'URL ci-dessous : <https://edu.casio.com/requirements/app/>
- Android, Gmail et Chrome sont des marques commerciales ou des marques déposées de Google LLC.
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- Notez que la marque commerciale <sup>TM</sup> et la marque déposée <sup>®</sup> ne sont pas utilisées dans le texte de ce mode d'emploi.

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# Chapitre 1

## Aperçu de la ClassPad App

La ClassPad App représente, sur l'écran de votre dispositif mobile, un ClassPad virtuel que vous pouvez utiliser pour effectuer presque toutes les opérations disponibles sur votre ClassPad. Les différences entre les opérations effectuées sur la ClassPad App et celles effectuées sur le ClassPad proprement dit, et les différences parmi les deux modes de la ClassPad App sont expliquées dans ce qui suit.

---

### Différences entre la ClassPad App et les fonctions des applications du ClassPad

Les différences entre la ClassPad App et les fonctions des applications du ClassPad sont les suivantes.

- Certains réglages et certaines fonctions du ClassPad qui sont inutiles lorsque vous utilisez le ClassPad sur un dispositif mobile (par exemple le réglage du panneau tactile) sont désactivés sur la ClassPad App. Le message « Unavailable » s'affiche sur l'écran si vous essayez d'accéder à un réglage ou à une fonction désactivé.



- L'application E-CON3 n'est pas prise en charge par la ClassPad App.

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### Données de la ClassPad App

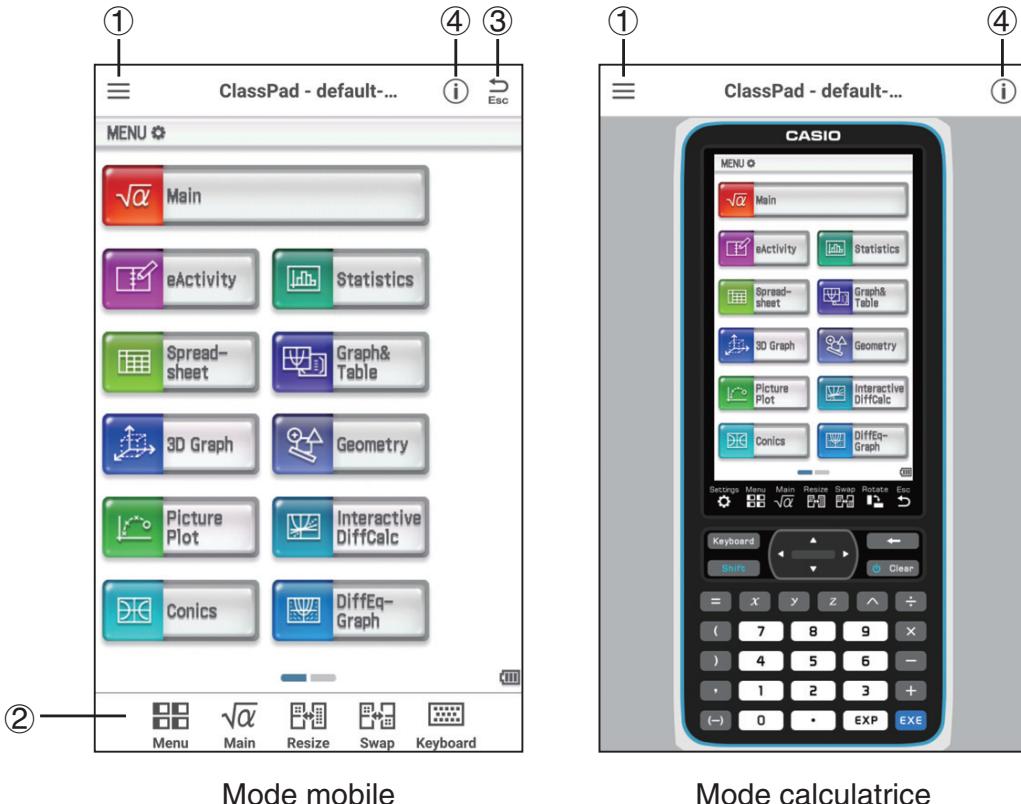
Les données eActivity du ClassPad sont enregistrées dans une zone de la mémoire et toutes les autres données (données d'application et variables) sont enregistrées dans une autre zone de la mémoire. Les données eActivity se trouvent dans la « zone eActivity » tandis que les autres données se trouvent dans la « mémoire principale ». Pour des détails, voir le mode d'emploi du ClassPad.

La ClassPad App enregistre les deux types de données sur votre dispositif mobile dans des fichiers de format « ClassPad virtuel » (.vcp). Par défaut, le fichier nommé « default.vcp » utilisé comme « document actif » de la ClassPad App est créé automatiquement.

# Mode d'affichage de la ClassPad App

La ClassPad App possède deux modes d'affichage : le mode mobile et le mode calculatrice.

- Le mode calculatrice affiche un ClassPad virtuel qui semble presque identique à votre unité ClassPad.



① Bouton de menu (≡) ... Affiche le menu tiroir.

② Barre d'onglets



Menu, Main, Resize, Swap ... Identiques aux icônes suivantes sur le panneau d'icônes du ClassPad :            .



Keyboard ... Bascule entre l'affichage et le masquage d'un clavier tactile en bas de l'écran.

③ Bouton Échap (Esc) ... Identique à l'icône suivante sur le panneau d'icônes du ClassPad : .

④ Bouton d'informations (i) ... Affiche un écran d'informations.

## ■ Pour entrer en mode mobile ou en mode calculatrice

1. Appuyez sur ≡ - [Window].
2. Appuyez sur [Mobile Mode] ou [Calculator Mode].

## ■ Pour utiliser le clavier tactile (mode mobile uniquement)

Dans la barre d'onglets, appuyez sur  pour afficher un clavier tactile comme celui affiché ci-dessous.



- Les touches de curseur correspondent à celles du ClassPad.
- Vous pouvez modifier le groupe de touches actuel de la même manière qu'avec le clavier tactile du ClassPad.

Number	7	8	9	x	y	z	^		↑
Math1	4	5	6	(	)	÷	×		↓
Math2	1	2	3	,	(-)	+	-	=	←
	0	.	E	←	Ans	Ans	EXE	→	

[Number]

Number	Line	■	■	π	⇒		log <sub>2</sub>	■	↑
Math1	π <sup>2</sup>	x <sup>2</sup>	ln	■	x <sup>2</sup>	x <sup>3</sup>	log <sub>10</sub>	subt	↓
Math2	sin	cos	tan	°	r	■	MS		←
	■	( )	cos	←	■	■	Ans	EXE	→

[Math1]

Number	Line	■	■	π	⇒	i	∞		↑
Math1	i <sup>2</sup>	x <sup>2</sup>	ln	■	■	■	■	■	↓
Math2	sin	cos	tan	°	r	■	■	■	←
	■	( )	cos	←	■	■	Ans	EXE	→

[Math2]

Math3	Line	■	■	π	⇒	i	∞		↑
Trig	sin	cos	tan	sin <sup>-1</sup>	cos <sup>-1</sup>	tan <sup>-1</sup>	θ	t	↓
Var	sinh	cosh	tanh	°	r	sinh <sup>-1</sup>	cosh <sup>-1</sup>	tanh <sup>-1</sup>	←
	■	■	■	■	■	■	■	■	→

[Math3]

Math3	Line	■	■	π	⇒	i	∞		↑
Trig	sin	cos	tan	sin <sup>-1</sup>	cos <sup>-1</sup>	tan <sup>-1</sup>	θ	t	↓
Var	sinh	cosh	tanh	°	r	sinh <sup>-1</sup>	cosh <sup>-1</sup>	tanh <sup>-1</sup>	←
	■	■	■	■	■	■	■	■	→

[Trig]

Math3	a	b	c	d	e	f	g	h	↑
Trig	i	j	k	l	m	n	o	p	↓
Var	q	r	s	t	u	v	w	CAPS	←
	x	y	z	↔	■	■	Ans	EXE	→

[Var]

Catalog	←	A	B	C	D	E	F	G	H	→	All	▼	↑
abc	8a												
Advance	a <sub>1</sub>												
	a <sub>2</sub>												
	abExpR												
	abExpReg												

[Catalog]

←	1	2	3	4	5	6	7	8	9	0	-	↑	abc
Space	q	w	e	r	t	y	u	i	o	p	@	↓	obj
EXE	a	s	d	f	g	h	j	k	l	;	;	←	Math
	■	■	■	■	■	■	■	■	■	■	■	→	Symbol

[abc]

Catalog	Line													↑
abc	int	!	nPr	nCr	an	bn	cn	rSlv						↓
Advance	F <sub>n</sub> <sup>2</sup>	F <sub>n</sub> <sup>3</sup>	L <sub>n</sub> <sup>2</sup>	L <sub>n</sub> <sup>3</sup>	Γ	Γ	+1	+2	n					←
	8a	8a	8a	8a	8a	8a	8a	8a	8a	8a	8a	8a	8a	→

[Advance]

# Chapitre 2

## Opérations de la ClassPad App

Cette section explique les opérations pouvant être effectuées sur les écrans du mode mobile et du mode calculatrice de la ClassPad App.

### Copier et Coller

#### ■ Pour copier un texte alphanumérique affiché sur l'écran dans le presse-papiers

1. Sur la ClassPad App, sélectionnez le texte que vous souhaitez copier.
2. Appuyez sur  $\equiv$  - [Edit] - [Copy Special] - [Unicode].
  - Le texte sélectionné à l'étape 1 dans le presse-papiers est copié (sous forme de texte Unicode).
  - Vous pouvez ensuite coller le texte copié dans une autre application (sous forme de texte Unicode).

#### ■ Pour coller du texte copié dans le presse-papiers dans la ClassPad App

1. Dans d'autres applications, copiez le texte que vous voulez dans le presse-papiers.
2. Dans la ClassPad App, ouvrez l'application du ClassPad dans laquelle vous voulez coller le texte copié dans le presse-papiers.
3. Appuyez sur  $\equiv$  - [Edit] - [Paste Special].
  - Le texte copié dans le presse-papiers est collé dans la ClassPad App.

#### *Remarque*

« Paste Special » détecte ce qui est dans le presse-papiers et le colle sous forme de texte ou de données MathML.

Vous pouvez utiliser « Paste Special » pour coller du texte ou des données MathML créées par d'autres applications.

#### *Avertissement important*

Lorsque le ClassPad détecte des données MathML dans le presse-papiers, il essaie de les coller sous forme math 2D (forme de saisie naturelle) sans vous avertir. Il n'est pas garanti que le format des données collées sera identique à celui des données copiées d'autres applications.

---

# Enregistrement de l'image de capture d'écran

## ■ Pour enregistrer une image de capture d'écran

1. Affichez l'écran dont vous souhaitez enregistrer l'image.
2. Appuyez sur  $\equiv$  - [Edit] - [Capture Screen].

### **Astuce**

- Si vous souhaitez enregistrer la fenêtre active uniquement, appuyez sur ce qui suit à l'étape 2 :  $\equiv$  - [Edit] - [Capture Current Panel].

---

# Opérations sur les fichiers vcp (Nouveau, Ouvrir, Enregistrer, Enregister sous)

Cette section explique comment effectuer les opérations suivantes avec les fichiers vcp sur la ClassPad App : Nouveau, Ouvrir, Enregistrer et Enregister sous.

## ■ Pour créer un nouveau fichier vcp

1. Appuyez sur  $\equiv$  - [File] - [New].
2. Tapez le nom du nouveau fichier dans la case « File Name ».
3. Appuyez sur [Save].
  - Le nouveau fichier vcp est créé et devient le document actif.

## ■ Pour ouvrir un fichier vcp existant

1. Appuyez sur  $\equiv$  - [File] - [Open].
2. Sélectionnez le fichier que vous voulez ouvrir et appuyez sur [Open].
  - Le fichier sélectionné s'ouvre et devient le document actif.

## ■ Pour enregistrer un fichier vcp ouvert

Appuyez sur  $\equiv$  - [File] - [Save].

### **Remarque**

Le document actif est automatiquement enregistré lorsque vous fermez la ClassPad App. La prochaine fois que vous ouvrirez la ClassPad App, le document actif qui était ouvert lors de la dernière session s'ouvrira automatiquement.

## ■ Pour enregistrer un fichier vcp ouvert sous un autre nom

1. Appuyez sur  $\equiv$  - [File] - [Save As].
2. Tapez le nouveau nom dans la case « File Name ».

### 3. Appuyez sur [Save].

- Le fichier vcp actuellement ouvert est enregistré sous son nouveau nom et le nouveau fichier devient le document actif.

## ■ Pour joindre un fichier vcp à un e-mail

### 1. Appuyez sur $\equiv$ - [File] - [Send].

- Ceci affiche la boîte de dialogue d'envoi.

### 2. Sélectionnez le fichier que vous souhaitez envoyer et puis appuyez sur [Open].

- Ceci démarre la messagerie avec le fichier joint.

#### **Remarque**

• Si le dispositif mobile qui reçoit l'e-mail possède la ClassPad App installée, ouvrir le fichier démarre la ClassPad App. Toutefois, cette opération est limitée aux messageries ci-dessous.

iOS : messagerie standard

Android : Gmail via Chrome

## **Effacement de la mémoire principale (Réinitialisation)**

## ■ Pour effacer toutes les données, sauf les fichiers eActivity

### 1. Appuyez sur $\equiv$ - [File] - [Reset].

- Une boîte de dialogue contenant le message « Reset Memory? Are you sure? » vous demande de confirmer l'effacement.

### 2. Pour effacer la mémoire, appuyez sur [Yes]. Pour annuler l'opération sans rien effacer, appuyez sur [No].

## **Génération de données MathML**

ClassPad App peut fournir sous forme de fichier MathML (.mml) des expressions algébriques et du texte saisis dans l'application Principale, l'application eActivity ou d'autres applications. Vous pouvez aussi copier des expressions algébriques et du texte sous forme de données MathML (contenu, présentation ou format combiné) dans le presse-papiers.

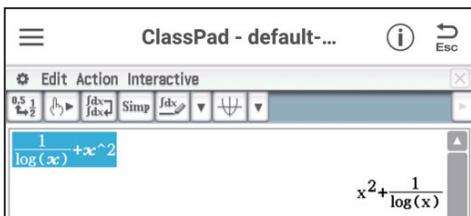
## ■ Pour exporter l'expression algébrique sélectionnée dans un fichier MathML

**Exemple :** Exporter une expression algébrique saisie dans l'application Principale sous forme de fichier MathML

### 1. Appuyez sur $\equiv$ - [Application] - [Main] pour démarrer l'application Principale.

### 2. Entrez l'expression algébrique que vous souhaitez ajouter au fichier MathML.

3. Sélectionnez l'expression.



4. Appuyez sur  $\equiv$  - [File] - [Export MathML].

5. Tapez le nom de fichier et appuyez sur [Save].

- L'expression sélectionnée à l'étape 3 est enregistrée sous forme de fichier mml.

### ■ Pour copier l'expression algébrique sélectionnée dans le presse-papiers sous forme de données MathML

1. Sélectionnez l'expression que vous souhaitez copier.

2. Appuyez sur  $\equiv$  - [Edit] - [Copy Special] - [MathML].

3. Appuyez sur l'élément souhaité du sous-menu.

Pour copier des données en utilisant ce type de balisage MathML :	Sélectionnez cette option :
Contenu <ul style="list-style-type: none"><li>• Le balisage de contenu capture la structure mathématique.</li></ul>	Content
Présentation <ul style="list-style-type: none"><li>• Le balisage de présentation capture la structure de la notation.</li></ul>	Presentation
Combiné <ul style="list-style-type: none"><li>• Utilise si possible le balisage de contenu. Sinon, le balisage de présentation est utilisé.</li></ul>	Combined

- Veuillez consulter Internet ou d'autres publications pour le détail complet sur le balisage de contenu MathML et le balisage de présentation.

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## Copie d'expressions algébriques et de texte sous forme de texte Unicode

Vous pouvez copier de la façon suivante du texte ou des expressions algébriques sélectionnés sur l'application du ClassPad dans le presse-papiers sous forme de texte Unicode.

### ■ Pour copier des expressions algébriques ou du texte sous forme de texte Unicode

1. Sélectionnez l'expression ou le texte que vous souhaitez copier.

2. Appuyez sur  $\equiv$  - [Edit] - [Copy Special] - [Unicode].

- L'expression ou le texte sélectionné est copié dans le presse-papiers sous forme de texte Unicode.
- Vous pouvez coller le texte copié dans n'importe quelle autre application avec éditeur de texte.

# Écran d'informations

Appuyer sur le bouton d'informations ( ⓘ) affiche un écran comme celui indiqué ci-dessous.

Information	Close	Ferme l'écran d'informations.
User Manuals	>	
ClassPad Manual	>	
ClassPad App Manual	>	
About This App		
Version	>	
Terms Of Use	>	
Privacy Policy	>	
OSS License	>	
Subscription		
Membership	>	
ClassPad.net Account		
Log in	>	

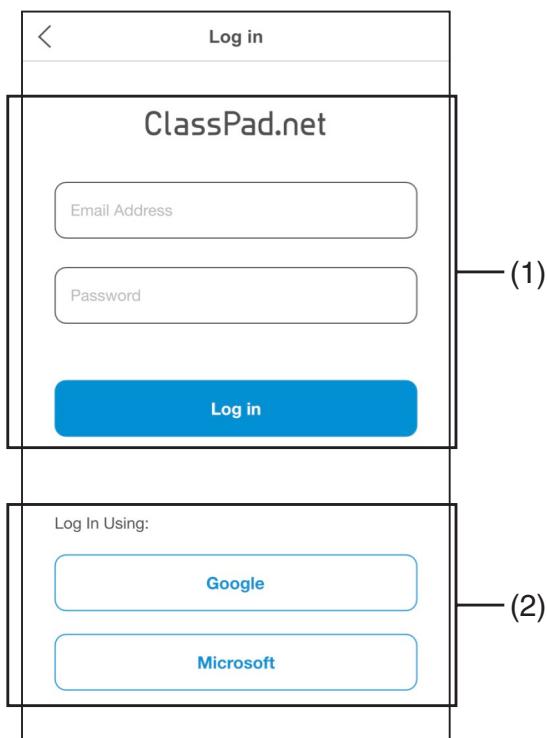
Pour faire ceci :	Sélectionnez ceci :
Manuels utilisateur	
Ouvrir le manuel du ClassPad	ClassPad Manual
Ouvrir le manuel de la ClassPad App	ClassPad App Manual
À propos de l'app	
Afficher la version de la ClassPad App et d'autres informations	Version
Afficher des informations concernant les conditions d'utilisation	Terms of Use
Afficher des informations concernant la politique de confidentialité	Privacy Policy
Afficher des informations concernant la licence OSS	OSS License
Abonnement	
Afficher l'écran Adhésion	Membership
Compte ClassPad.net	
Afficher l'écran de connexion	Log in
Assistance	
Afficher la FAQ de la ClassPad App	Help
Démarrer votre navigateur et aller sur le CASIO WorldWide Education Website	CASIO WorldWide Education Website

Informations (Android uniquement)	
Configurer les réglages de Google Analytics*	Auto send usage information

\* Pour iOS, sélectionnez l'application « Réglages » sur l'écran d'accueil, puis configurez les réglages « Envoi automatique des informations d'utilisation ».

## ■ Fonction Connexion

Appuyer sur [Log in] sur l'écran d'informations permet d'afficher un écran comme celui affiché ci-dessous.



- (1) Après avoir saisi les informations de votre compte ClassPad.net (adresse e-mail et mot de passe), appuyez sur [Log in]. Cela appliquera le statut de votre abonnement ClassPad App à votre compte ClassPad.net.
  - Vous pourrez utiliser les fonctions du programme ClassPad.net PLUS dès votre première connexion à un compte ClassPad.net après avoir souscrit à l'abonnement avec la ClassPad App.
- (2) Si vous êtes déjà connecté à ClassPad.net à l'aide de votre compte Google ou Microsoft, vous pourrez vous connecter à ClassPad.net en appuyant sur [Google] (pour un compte Google) ou [Microsoft] (pour un compte Microsoft) sous « Log In Using ». Après avoir saisi les informations de votre compte ClassPad.net (adresse e-mail et mot de passe) pour vous connecter à la ClassPad App, vous pouvez associer votre compte ClassPad.net à votre compte Google ou compte Microsoft en appuyant sur le bouton correspondant.

## Commandes du menu tiroir

Pour faire ceci :	Sélectionnez cet élément de menu :			
Créer un nouveau fichier vcp (ClassPad virtuel)	File	New		
Ouvrir un fichier vcp existant		Open		
Enregistrer les modifications dans le fichier vcp actuel		Save		
Enregistrer le fichier vcp actuel sous un nouveau nom		Save As		
Joindre un fichier vcp à un e-mail		Send		
Effacer la mémoire principale		Reset		
Exporter des expressions mathématiques et du texte sélectionnés dans un fichier mml		Export MathML		
Rouvrir un des quatre fichiers ouverts le plus récemment		1 <nom du fichier>		
		2 <nom du fichier>		
		3 <nom du fichier>		
Copier l'expression mathématique sélectionnée avec un balisage de contenu	Edit	Copy Special	MathML	Content
Copier l'expression mathématique sélectionnée avec un balisage de présentation				Presentation
Copier l'expression mathématique sélectionnée avec un balisage de contenu et de présentation combiné				Combined
Copier le texte sélectionné en Unicode			Unicode	
Coller du texte copié dans le presse-papiers		Paste Special		
Enregistrer une capture d'écran de l'écran du ClassPad virtuel		Capture Screen		
Enregistrer une capture d'écran du panneau actif actuel		Capture Current Panel		
Lancer une application	Applications	Applicable menu item		
Passer en mode calculatrice* <sup>1</sup>	Window	Calculator Mode		
Passer en mode mobile* <sup>2</sup>		Mobile Mode		

\*<sup>1</sup> Mode mobile uniquement

\*<sup>2</sup> Mode calculatrice uniquement

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Cocoa Platform Plugin

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## Shift-JIS Text Codec

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## ISO 2022-JP (JIS) Text Codec

ISO/IEC 2022 is an ISO standard specifying: - a technique for including multiple character sets in a single character encoding system, and - a technique for representing these character sets in both 7 and 8 bit systems using the same encoding.

ISO-2022-JP is a widely used encoding for Japanese.

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Parts of the makeqpf tool

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Macros for building Qt files

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qtbase/src/dbus/Qt5DBusMacros.cmake

qtbase/src/widgets/Qt5WidgetsMacros.cmake

qttools/src/linguist/Qt5LinguistToolsMacros.cmake

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Pixman (pixman) version 0.17.11

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