**Thinking In Java Edition 4 中代码迁移记录**

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| Chapter 13.19.2—JButtonDemo.java | | |
| Swing→SWT转换 | | |
| 类/接口变化及相关类方法变化说明 | JButton(name)→Button(Composite,SWT.PUSH) | +setText(name)  -add(JButton)  +addSelectionListener()  -addActionListener() |
| JTextField(length)→Text(Composite, SWT.SINGLE) | -add(JTextField) |
| JFrame(title)→Shell() | +setText(title)  -setVisible()  +pack()  +open()  -windowClosing(Event e)  +addListener(SWT.Dispose,listener()) |
| FlowLayout()→RowLayout() | +setLayout(new RowLayout())  -setLayout(new FlowLayout()) |

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| Chapter 13.19.3—Show.java | | |
| Swing→SWT转换 | | |
| 类/接口变化及相关类方法变化说明 | JFrame(title)→Shell() | +setText(title)  -setVisible()  +pack()  +open()  -windowClosing(Event e)  +addListener(SWT.Dispose,listener()) |
| JPanel()→Composite(Composite, style) | -add(JPanel) |

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| Chapter 13.19.5—Borders.java | | |
| Swing→SWT转换 | | |
| 类/接口变化及相关类方法变化说明 | JPanel()+TitledBorder(title)→group(Composite, style) | +setText(title) |
| EtchedBorder()→Composite(SWT.BORDER) | -new JPanel()  -JPanel.setBorder(E..) |
| GridLayout(row, colume)→GridLayout() | +GridLayout. numColumns = colume |
| Color(r, g, b)→Color(Display, r, g, b) |  |
| LineBorder(Clolor)→GC | +addPaintListener(  +paintControl(PaintEvent e){  +gc. setForeground(Color)  +gc. drawRectangle(x,y,w,h)  }) |

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| Chapter 13.19.6—Buttons.java | | |
| Swing→SWT转换 | | |
| 类/接口变化及相关类方法变化说明 | JButton(name)→Button(SWT.PUSH) | -add()  +setText(name) |
| JRadioButton(name)→Button(SWT.RADIO) | -add()  +setText(name) |
| JCheckBox(name)→Button(SWT.CHECK) | -add()  +setText(name) |
| JToggleButton(name)→Button(SWT.TOGGLE) | -add()  +setText(name) |
| BasicArrowButton(BasicArrowButton.NORTH)→  Button(SWT.ARROW | SWT.UP) | -add() |
| BasicArrowButton(BasicArrowButton.SOUTH)→  Button(SWT.ARROW | SWT.DOWN) | -add() |
| BasicArrowButton(BasicArrowButton.EAST)→  Button(SWT.ARROW | SWT.RIGHT) | -add() |
| BasicArrowButton(BasicArrowButton.WEST)→  Button(SWT.ARROW | SWT.LEFT) | -add() |

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| Chapter 13.19.7—ButtonGroups.java | | |
| Swing→SWT转换 | | |
| 类/接口变化及相关类方法变化说明 | AbstractButton→Button | -add() |
| Class→Class | -getConstructor()  +getConstructors()  -constructor.newInstance(name)  +constructors[0].newInstance(Comp,style)  +setText(name) |
| GroupButton()→group() | -add()  +addSelectionListener(  +childs.setSelection(false)  +e.getSource().setSelection(true)  ) |
| JButton/JRadioButton/JCheckBox/  JToggleButton.class→Button.class/SWT.PUSH/… |  |

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| Chapter 13.19.8—Faces.java | | |
| Swing→SWT转换 | | |
| 类/接口变化及相关类方法变化说明 | Icon→Image | -new ImageIcon(name)  +new Image(Display, name) |
| JButton(name, Icon)→Button(SWT.PUSH) | -add()  +setText(name)  +setImage(image)  -setRolloverEnabled(true)  -setRolloverIcon(Icon)  +addMouseTrackListener(  +mouseHover()  +mouseExit()  +mouseEnter()  )  -setPressedIcon(Icon)  +addMouseListener(  +mouseDown()  )  -setDisabledIcon(Icon)  +operation after setEnabled(false)  +operation after setEnabled(true)  -addActionListener()  +addSelectionListener()  -setVerticalAlignment(JButton.TOP)  - setHorizontalAlignment (JButton.LDFT)  -setAlignment(SWT.TOP | SWT.LEFT) |
| 在static变量初始化中，未初始化Display时，不能进行Display.getCurrent()进行引用 | |

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| Chapter 13.19.9—Menus.java | | |
| Swing→SWT转换 | | |
| 类/接口变化及相关类方法变化说明 | JTextField(length)→Text(Composite, SWT.SINGLE) | -add() |
| JMenuBar()→Menu(Composite, SWT.BAR) | -add()  +setMenuBar(menuBar) |
| JMenu()→MenuItem(Composite, SWT.CASCADE) | -add()  +new Menu(cascadeMenuItem)  +setMenu(menu) |
| JSeparator()→MenuItem(Menu, SWT.SEPARATOR) | -add() |
| JMenuItem()→MenuItem(Menu, SWT.PUSH)  JCheckBoxMenuItem()→MenuItem(Menu, SWT.CHECK)  JRadioButtonMenuItem()  →MenuItem(Menu, SWT.RADIO) | -add()  -setMnemonic(‘C’)  +setAccelerator(SWT.CTRL+’C’)  -addActionListener()  +addSelectionListener()  -setIcon(Icon)  +setImage(Image) |
| JLabel(name, Icon, JLabel.CENTER)  →CLabel(Composite, style) | -add()  +setText(name)  +setImage(image)  +setAlignment(SWT.CENTER) |

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| Chapter 13.19.10—Popup.java | | |
| Swing→SWT转换 | | |
| 类/接口变化及相关类方法变化说明 | JPopupMenu()  →Menu(Composite, SWT.POP\_UP) | -add()  -addMouseListener()  +setMenu(popupMenu)  -addSeparator()  +new MenuItem(popup, SWT.SEPARATOR) |
| JMenuItem(name)  →MenuItem(Composite, style) | -add()  -addActionListener()  +addSelectionListener()  +setText(name) |

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| Chapter 13.19.11—ListCombo.java | | |
| Swing→SWT转换 | | |
| 类/接口变化及相关类方法变化说明 | JScrollPane+JList(items)→List(Composite, SWT.V\_SCROLL | SWT.SINGLE | SWT.BORDER) | -add()  +setItems(items) |
| JComboBox()→Combo(Composite, SWT.DROP\_DOWN | SWT.READ\_ONLY) | -add()  -addItem(item)  +setItems(items) |
| 注意，如果在List的父容器中设置布局方式，则List的滚动将失效 | |

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| Chapter 13.19.12—Progress.java | | |
| Swing→SWT转换 | | |
| 类/接口变化及相关类方法变化说明 | JProgressBar()→ProgressBar(Composite, style) | -add()  -setModel()  +setSelection()  +addSelectionListener() |
| JSlider(JSlider.HORIZONTAL, 0, 20, 0)→  Slider(Composite, SWT.H\_SCROLL)  实验证明：scale与JSlider更相似 | -add()  +setMinimum(0)  +setMaximum(20+10)  -setPaintTicks(true)  -setMajorTickSpacing()  -setMinorTickSpacing()  -setBorder(new TitledBoder(name))  +new Group()  +Group.setText(name) |

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| Chapter 13.19.13—Trees.java | | |
| Swing→SWT转换 | | |
| 类/接口变化及相关类方法变化说明 | JScrollPane+JTree(DefaultMutableTreeNode)  →Tree(Composite, SWT. V\_SCROLL) | -add()  -getModel()  -getLastSelectedPathComponent()  +Tree.getSelection() |
| DefaultTreeModel→无 | -insertNodeInto() |
| DefaultMutableTreeNode(String[])  →TreeItem(TreeItem | Tree, style) | -add()  +setText() |

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| Chapter 13.19.14—Tables.java | | |
| Swing→SWT转换 | | |
| 类/接口变化及相关类方法变化说明 | JTable()  →Table(Composite, SWT.V\_SCROLL | SWT.H\_SCROLL) | -add()  -getColumnCount()  +Table.getColumnCount()  -getValueAt()  +Table.getItems()  -setValueAt()  +tableItem.setText(data)  -isCellEditable()  +TableEditor. setEditor(control, TableItem, column)  +TableColumn.setText(Headers)  -TableModelListener()  +Table.getColumn(i).pack() 调整  +Text.addModifyListener() |
| AbstractTableModel→无 |  |
| 说明:Table没有JTable的可编辑功能，需要使用TableEditor+Text进行设置可编辑单元格 | |

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| Chapter 13.19.15—Tabbed.java | | |
| Swing→SWT转换 | | |
| 类/接口变化及相关类方法变化说明 | JTabbedPane()→TabFolder(Composite, style) | -add()  - JTabbedPane.addTab()  +TabItem(TabFolder, style)  +TabItem.setText(String)  +TabItem.setControl(control)  -setSelectedIndex()  +setSelection() |