

Meilenstein 3: Vorlage des Lösungskonzeptes

πAVIAN

PARsing and
VISualization of
ARithmetic
NOTations

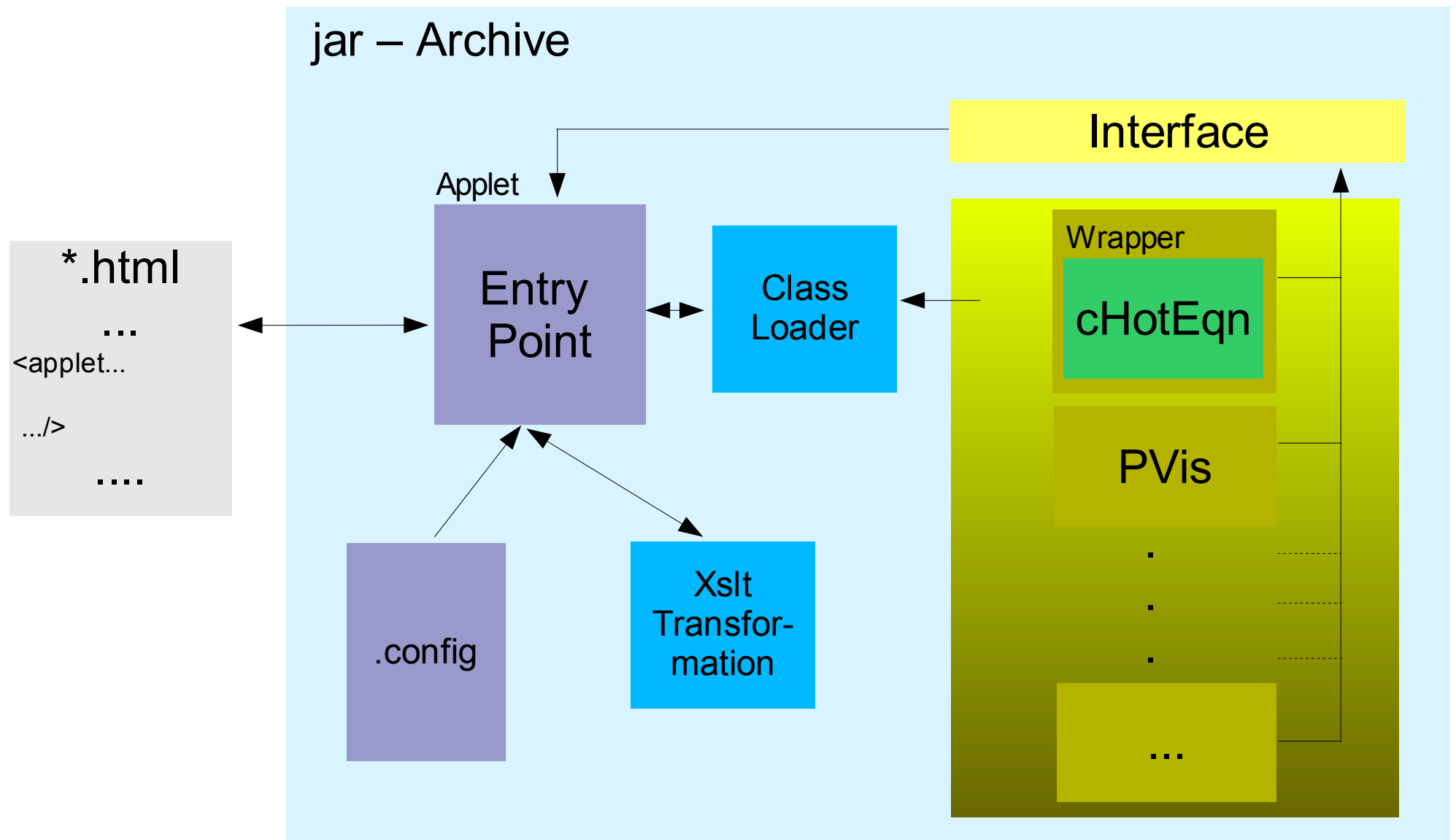
- Florian Eilers
- Hoai Nam Nguyen
- Alexander Schacht

$$-\frac{p}{2} \pm \sqrt{\frac{p^2}{4} - q}$$

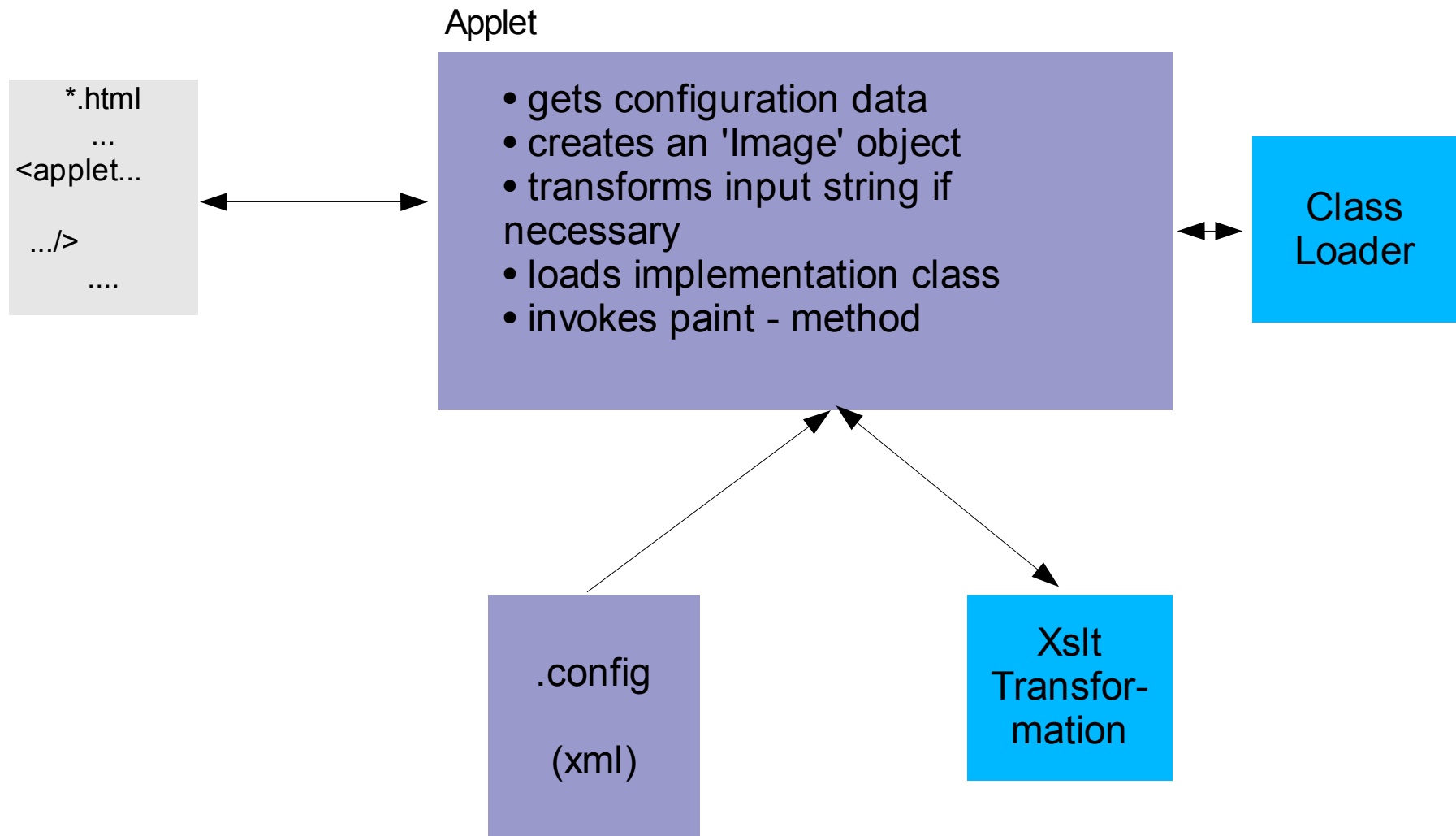
Agenda:

- ✓ Overview (structuring and interaction)
- ✓ Applet
- ✓ Xslt – Transformation (MathML => LaTeX)
- ✓ Abstraction Layer
- ✓ Implementation Layer
 - cHotEqnImpl
 - PVis

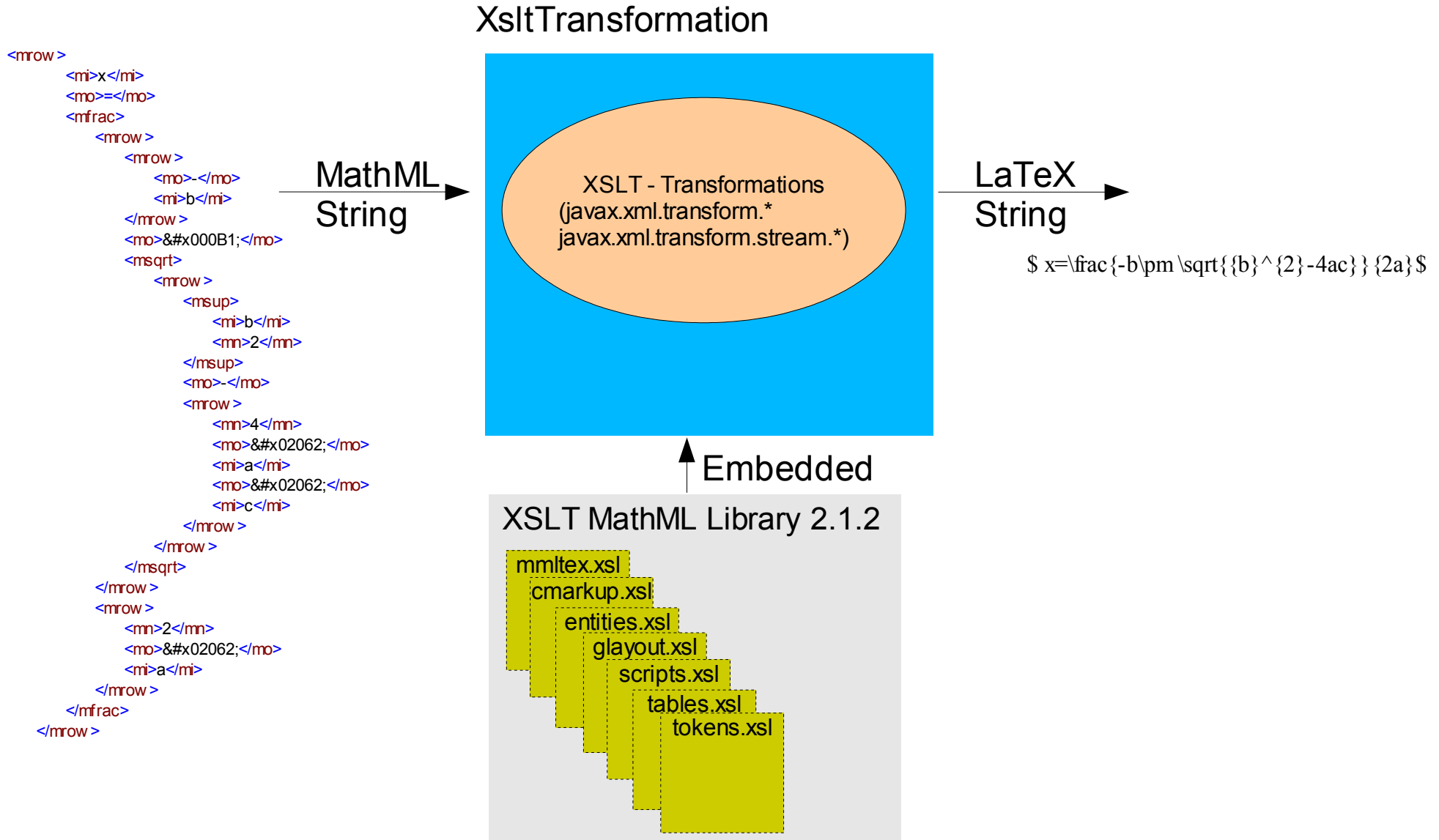
✓ Overview (structuring and interaction)



✓ Applet



✓ Xslt – Transformation (MathML => LaTeX)



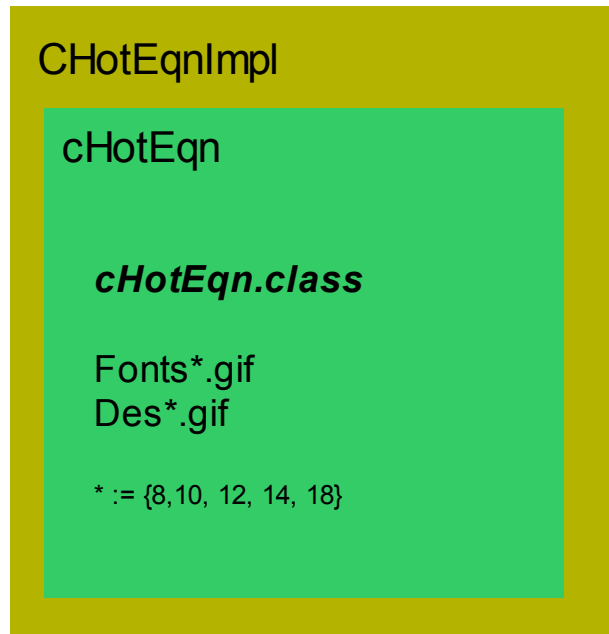
✓ Abstraction Layer

Interface

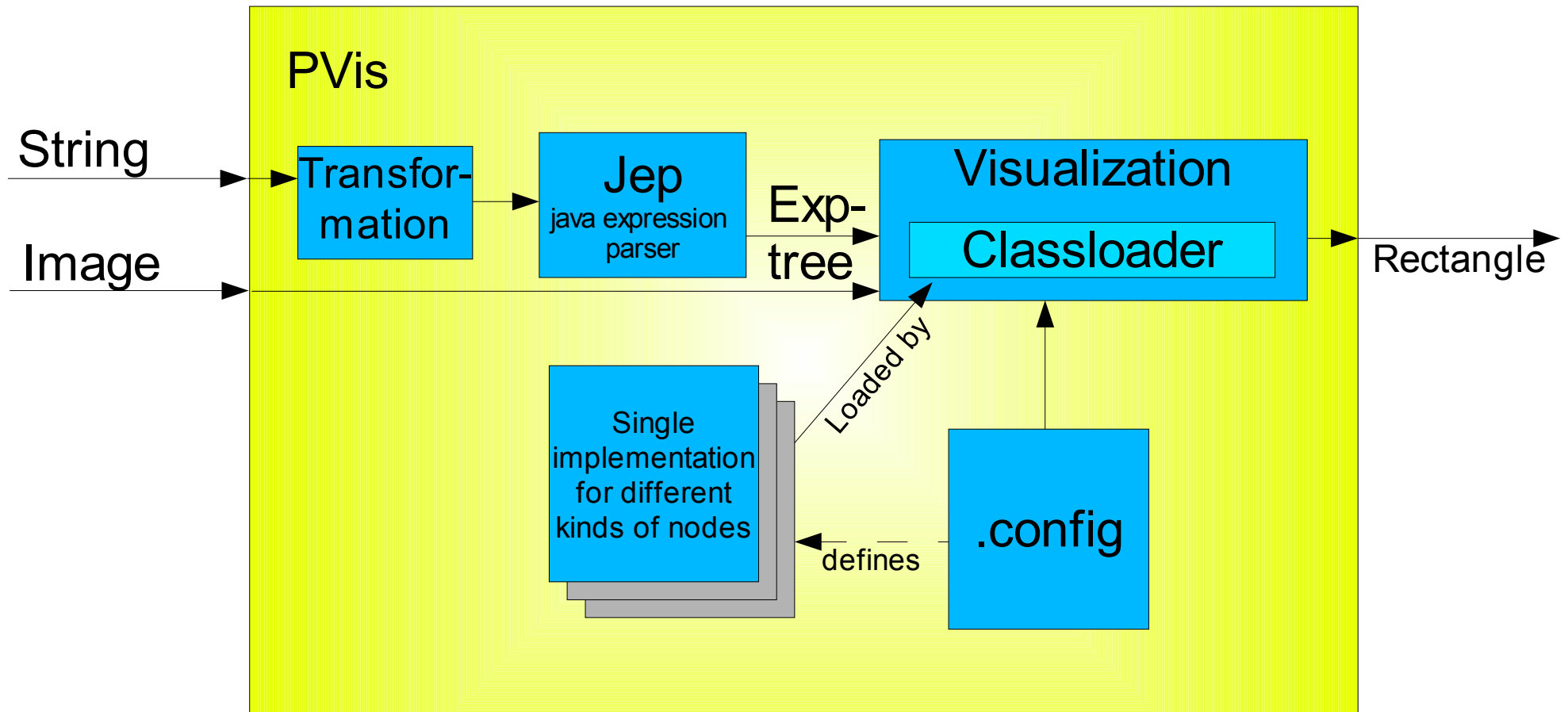
```
public interface IExpressionDrawer
{
    public Rectangle paint(String equation, Image i);
    public void setFontname(String fontname);
    public void setFontSize(float fontsize);
    public void setBackgroundColor(Color bgColor);
    public void setForegroundColor(Color fgColor);
}
```

✓ Implementation Layer (cHotEqnImpl)

- **cHotEqn**: cHotEqn Component
The IMGless Equation Viewer
for use in other applications and applets



✓ Implementation Layer (PVis)



Questions???

