

Studienarbeit SS2014

- Steuerelemente:
 - **MathArtsDisp** : **Container** ?
 - Methoden
 - **void** ShowControls (**bool** showControls)
 - **Color** ColorFromVal(**int** x, **int** y, **double** val)
 - **Color** ColorFromVal(**int** x, **int** y, **double** val) ?!?! (beschleunigte Version)
 - **void** Paint(**object** sender, **PaintEventArgs** e)
 - **void** Paint(**object** sender, **PaintEventArgs** e) (beschleunigte Version)
 - Events + Implementierung
 - MouseDown
 - MouseMove
 - MouseUp
 - **MathArtsColor**
 - Eigenschaften
 - Color : **Color**
 - ColType : **Coltypes**
 - Enum
 - **Coltypes** (Low, High)
 - Events
 - ValueChanged
 - Forms
 - Frm_ColorSettings : **MathArtsColorSettingDialog**
 - **MathArtsFunc**
 - Eigenschaften
 - FuncType : **FuncTypes**
 - FuncInverse : **bool**
 - Enum
 - **FuncTypes** (CosSin, Gauss, Gabor)
 - Methoden
 - **double** GetFuncVal (int xPosition, int yPosition)
 - **double** GetFuncVal (int xPosition, int yPosition) ?!?! (beschleunigte Version)
 - Events
 - ValueChanged
 - Forms
 - Frm_FuncSettings : **MathArtsFuncSettingDialog**

- Hauptdialoge
 - `Frm_MathArts`
 - Member
 - : `MathArtsDisp`
 - : `MainMenu`
 - Methoden
 - `void` Arbeitsfläche löschen()
 - `void` Demo1()
 - `void` Demo2()
 - `void` Beenden()
 - `void` FarbeEinfügen()
 - `void` FunctionEinfügen()
 - `void` ElementeSichbarMachen()