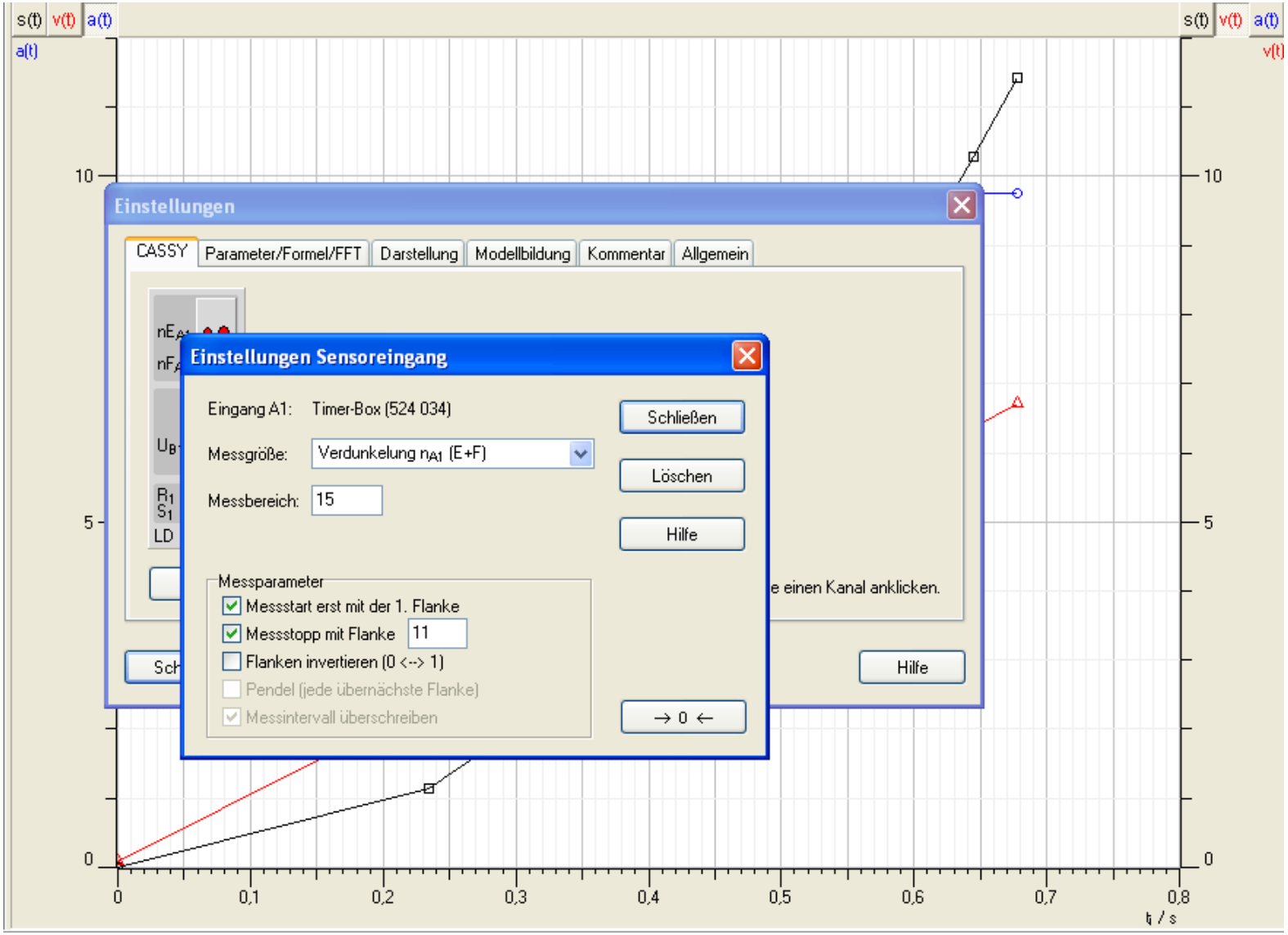
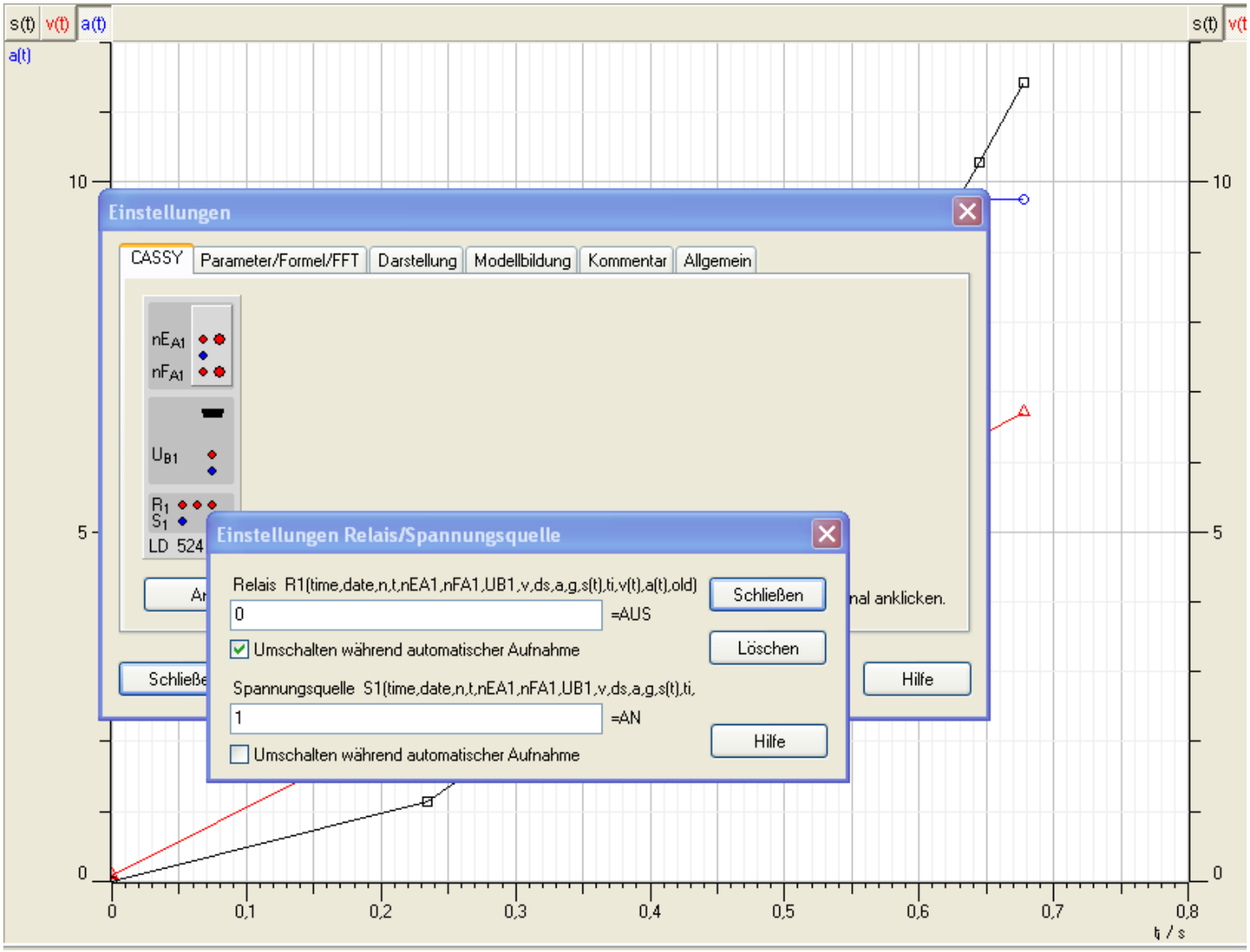
Me-02: Freier Fall mit der Fallschiene

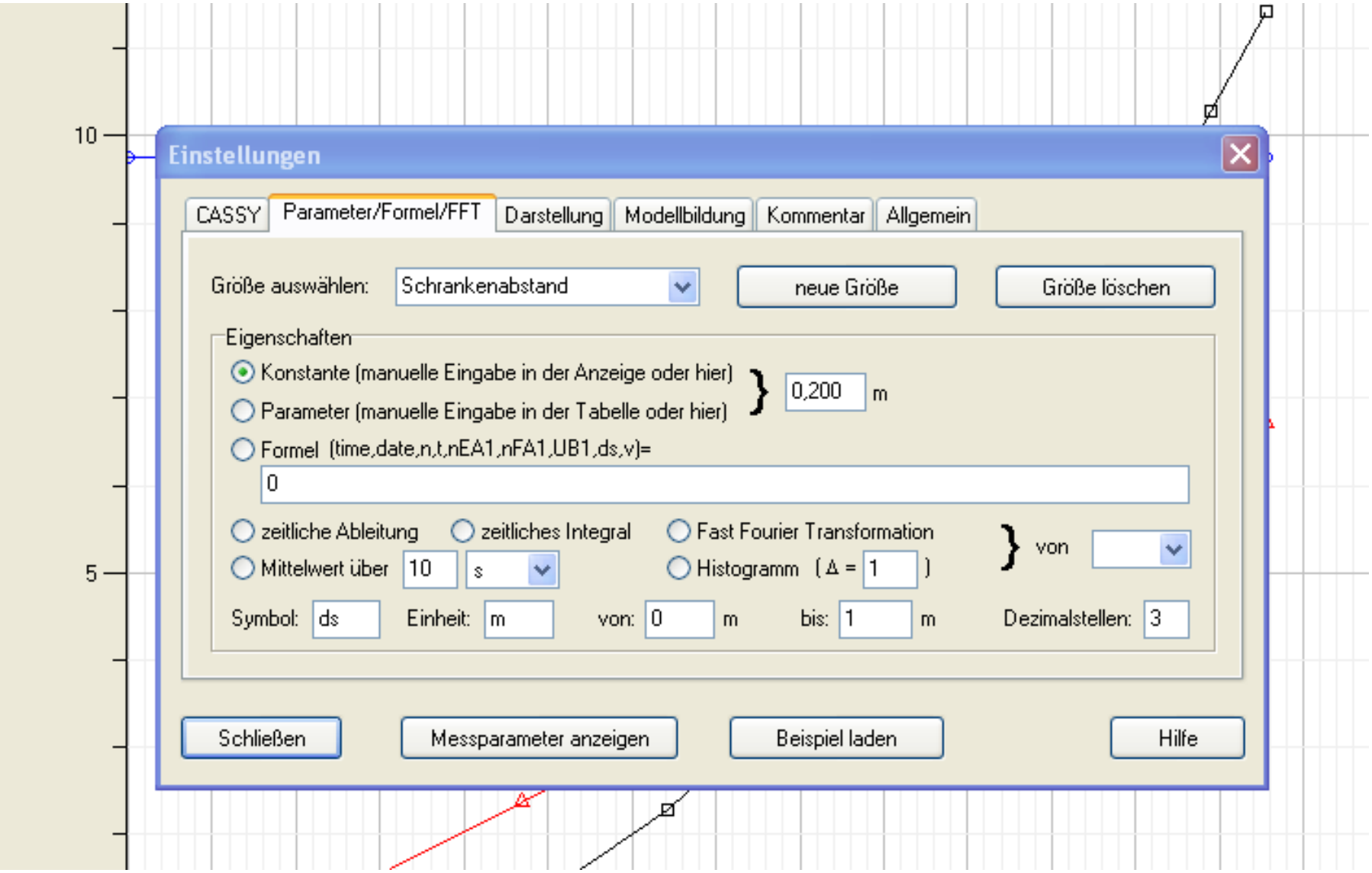
Einstellungen für Timer-Box



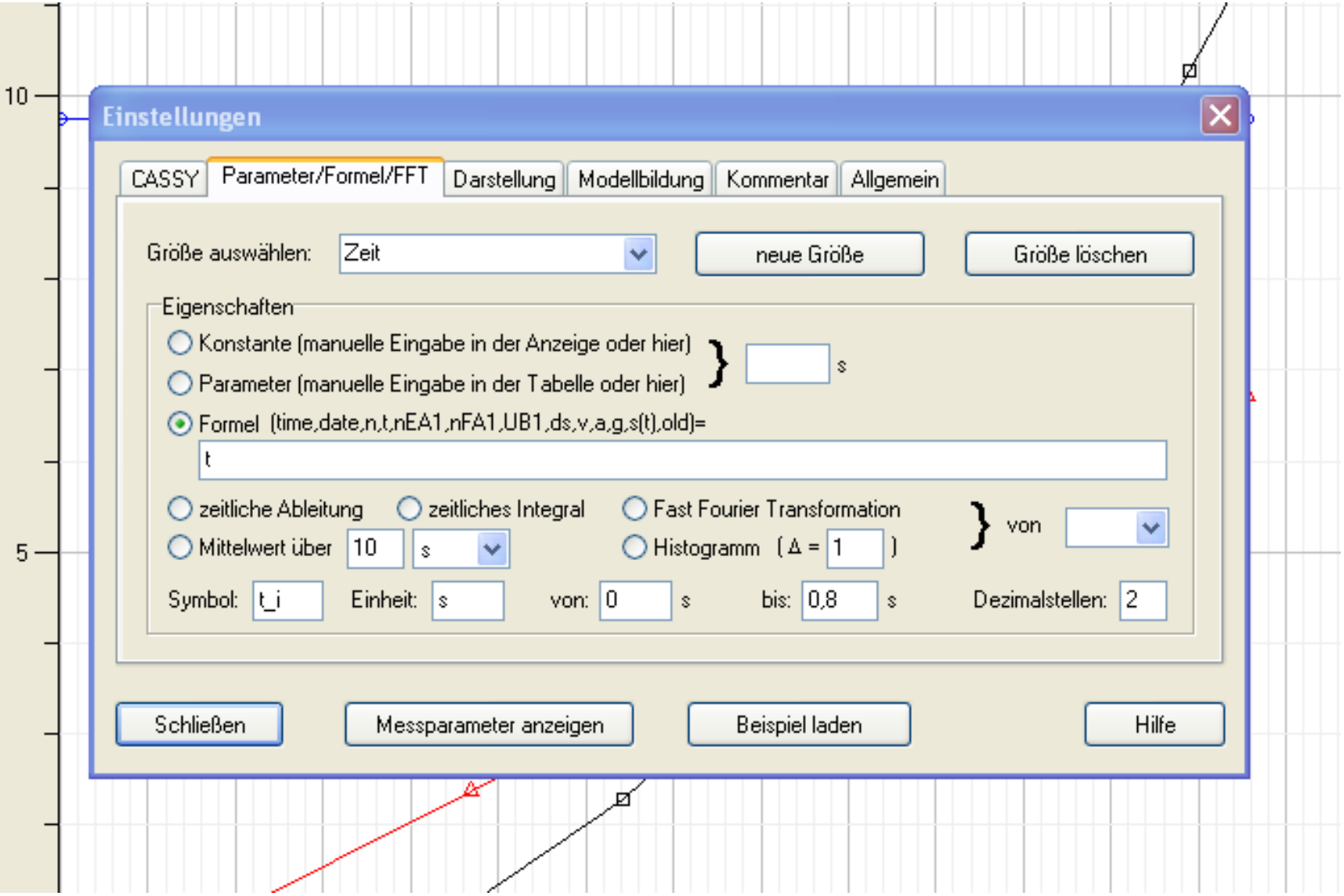
Einstellungen für das Relais



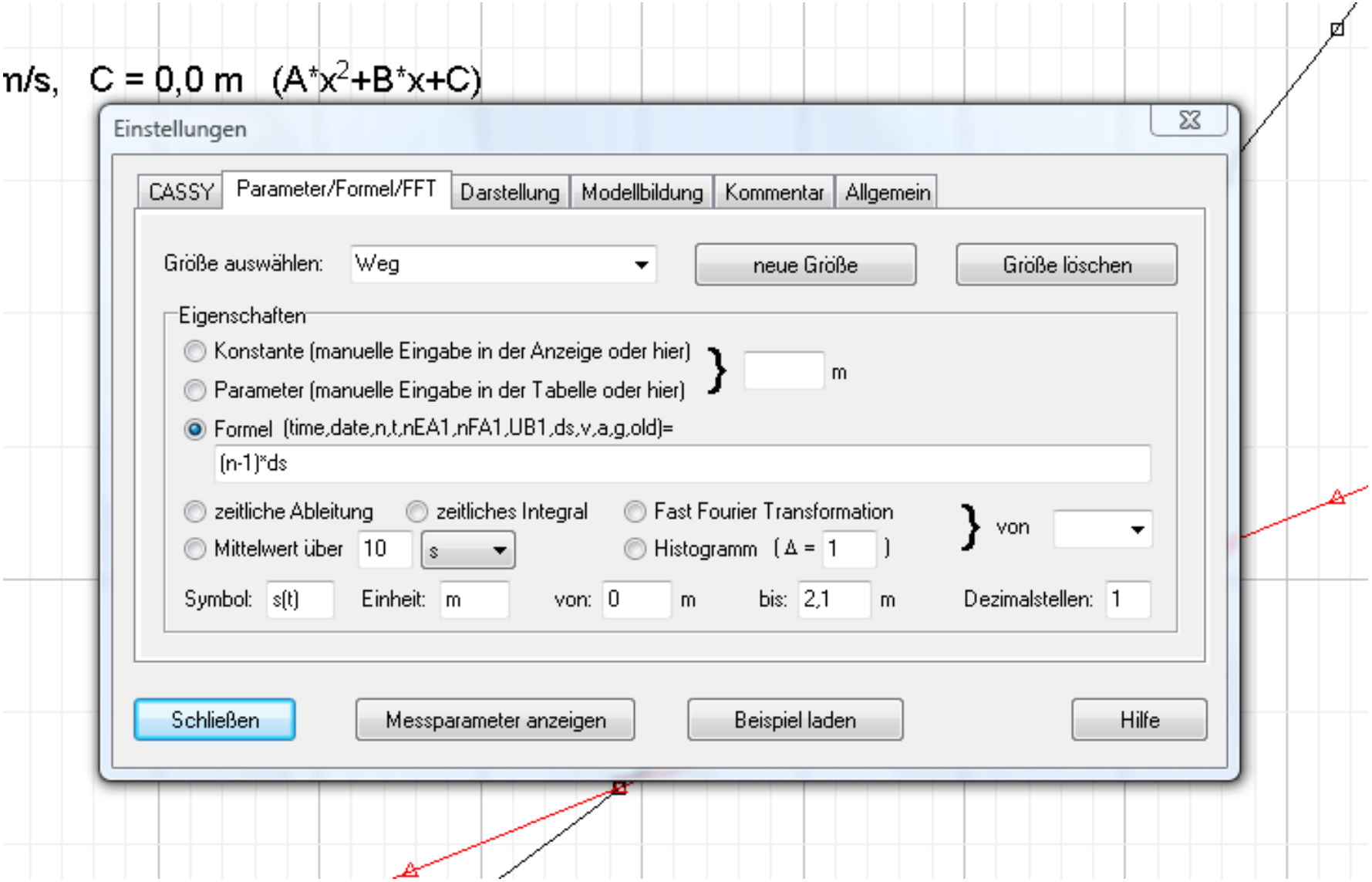
Definition des Schrankenabstands



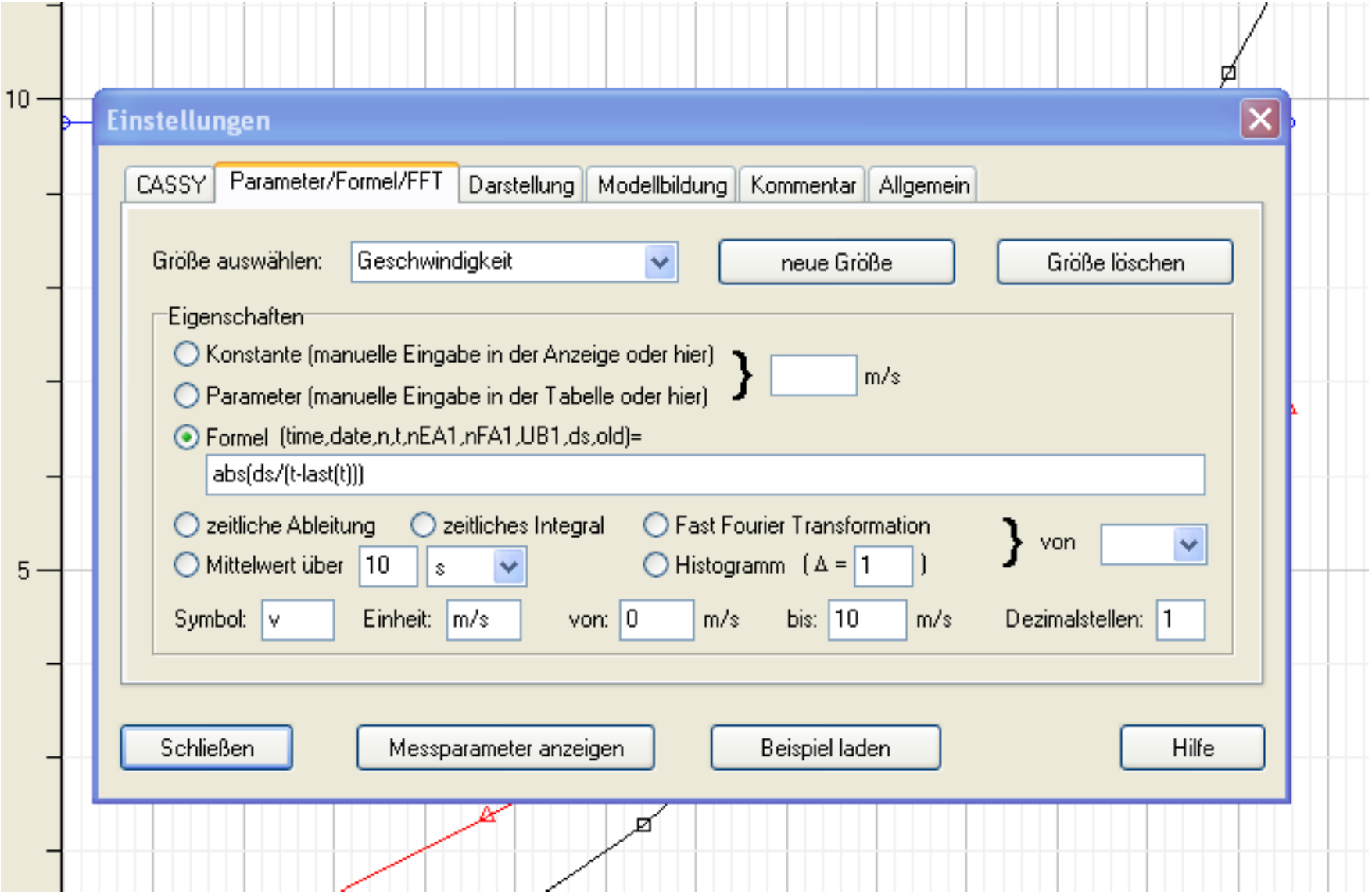
Definition der Zeit



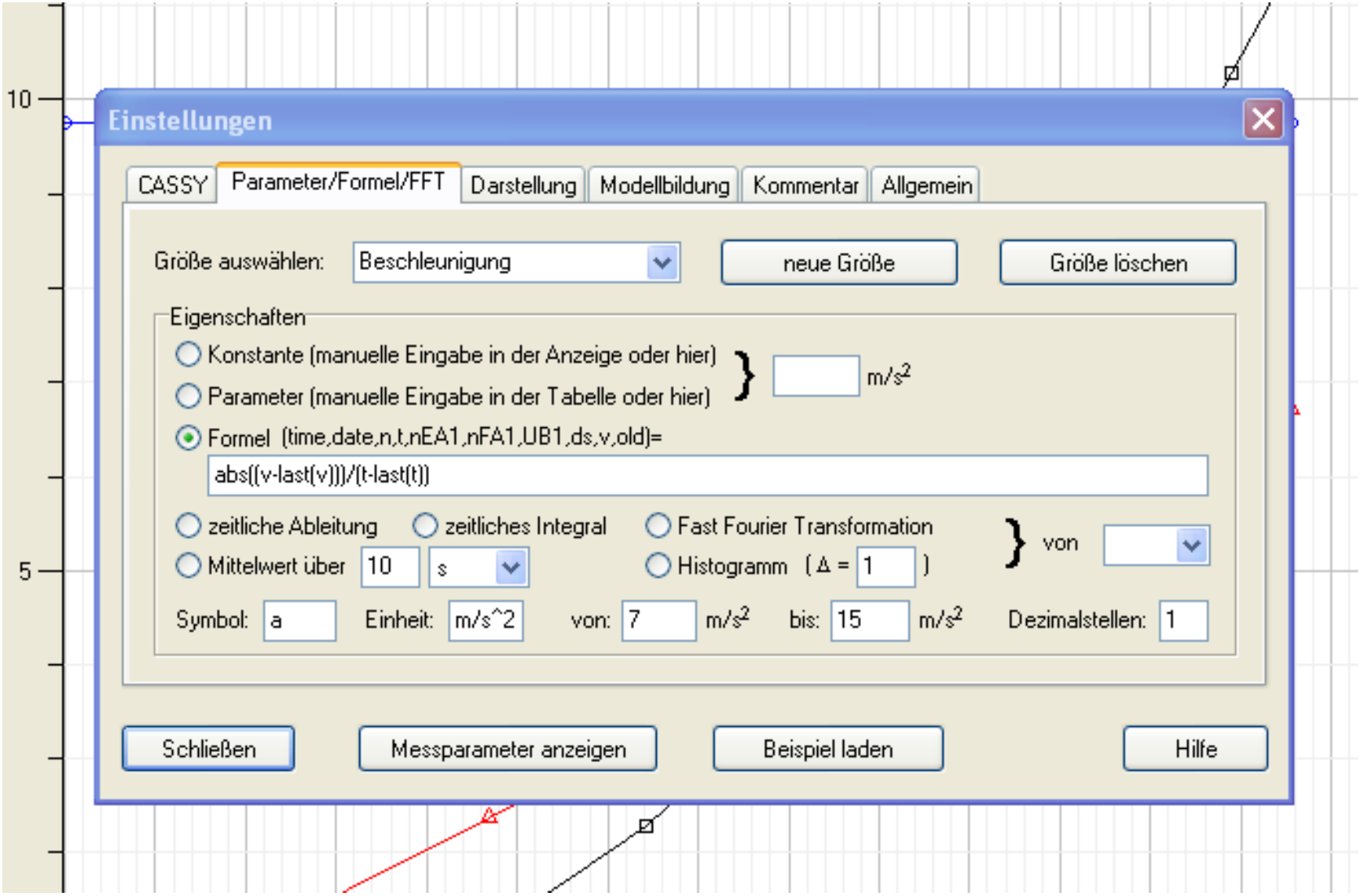
Definition des Wegs



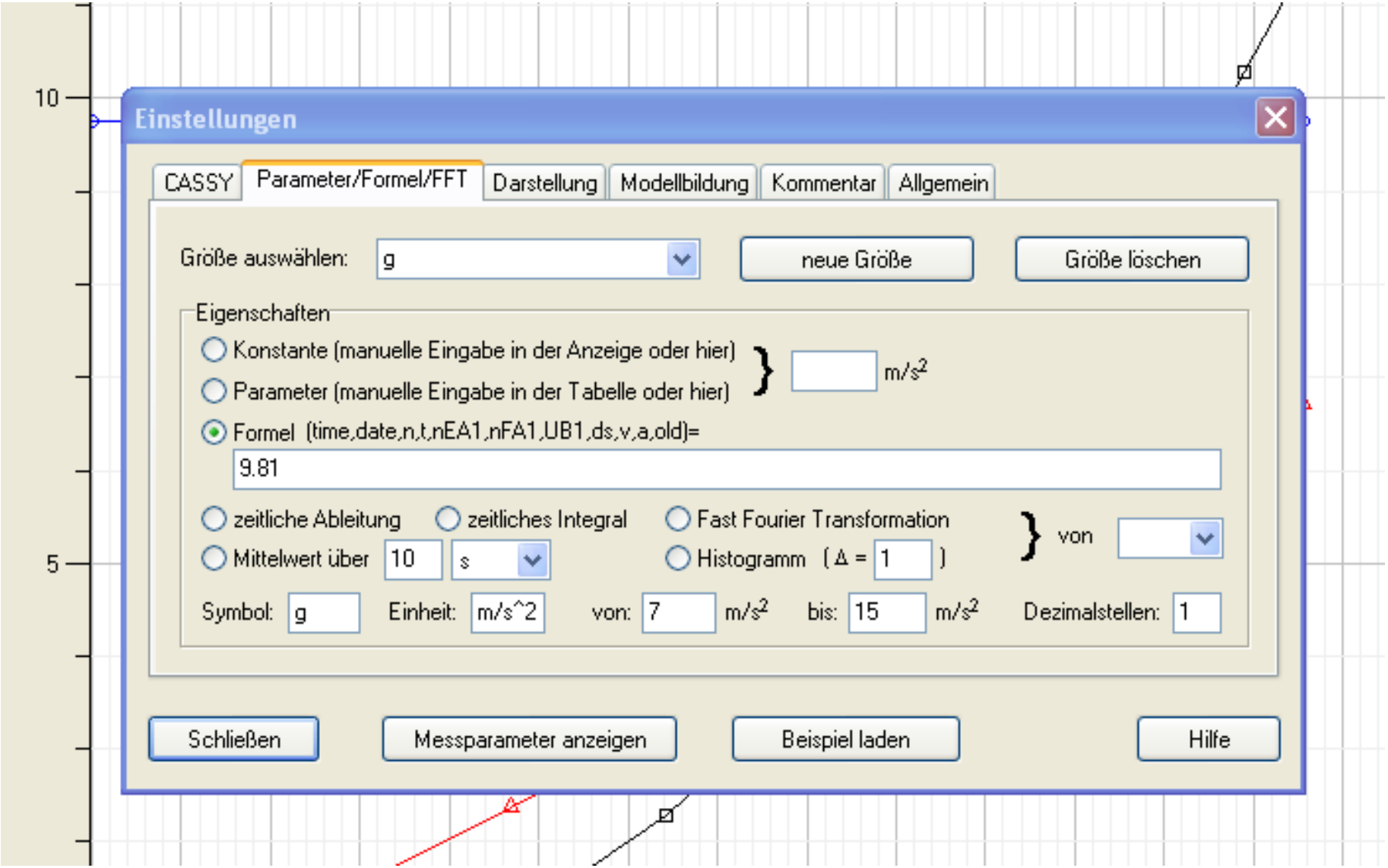
Berechnung der Geschwindigkeit aus den Messwerten



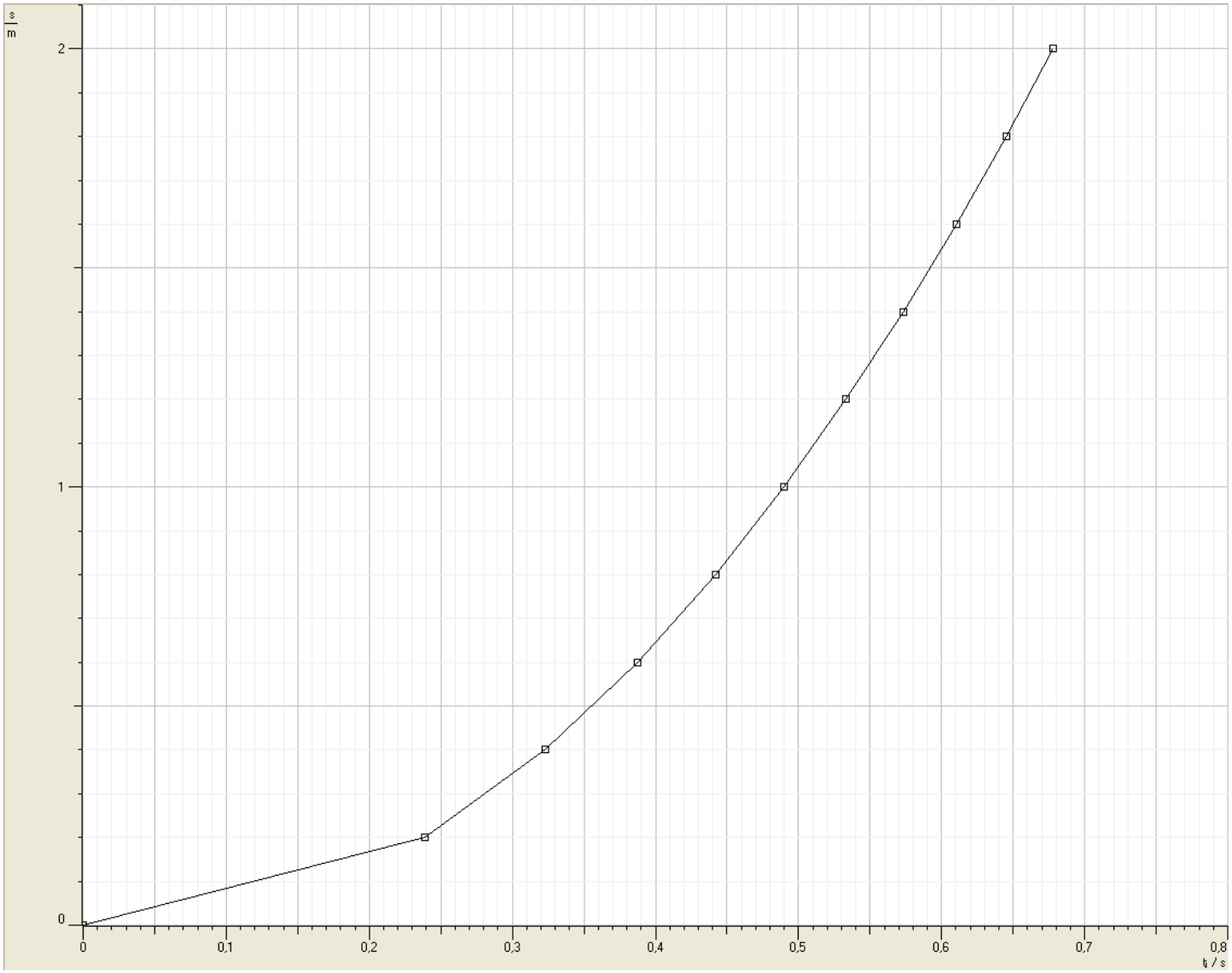
Berechnung der Beschleunigung aus den Messwerten



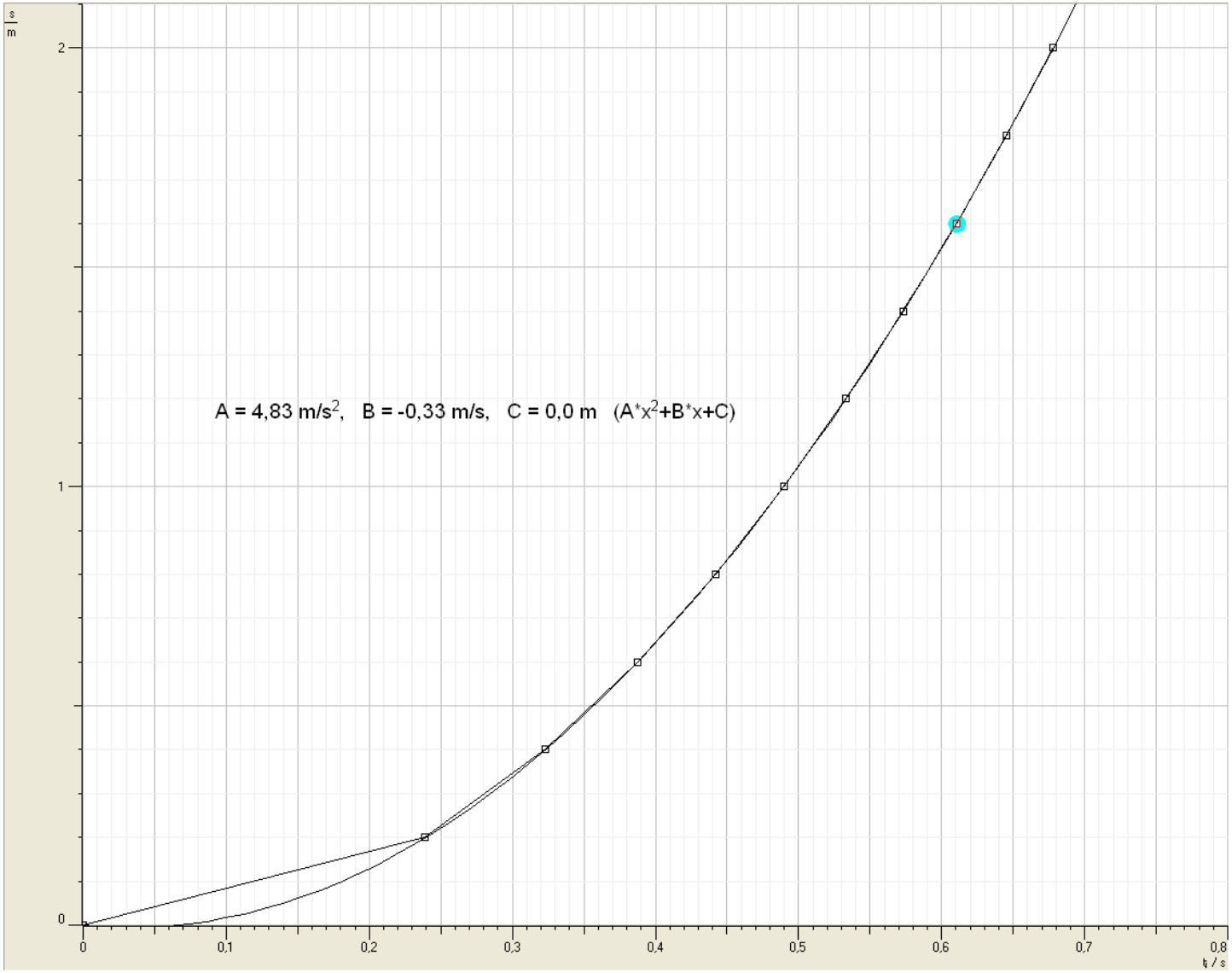
Theoriewert der Beschleunigung



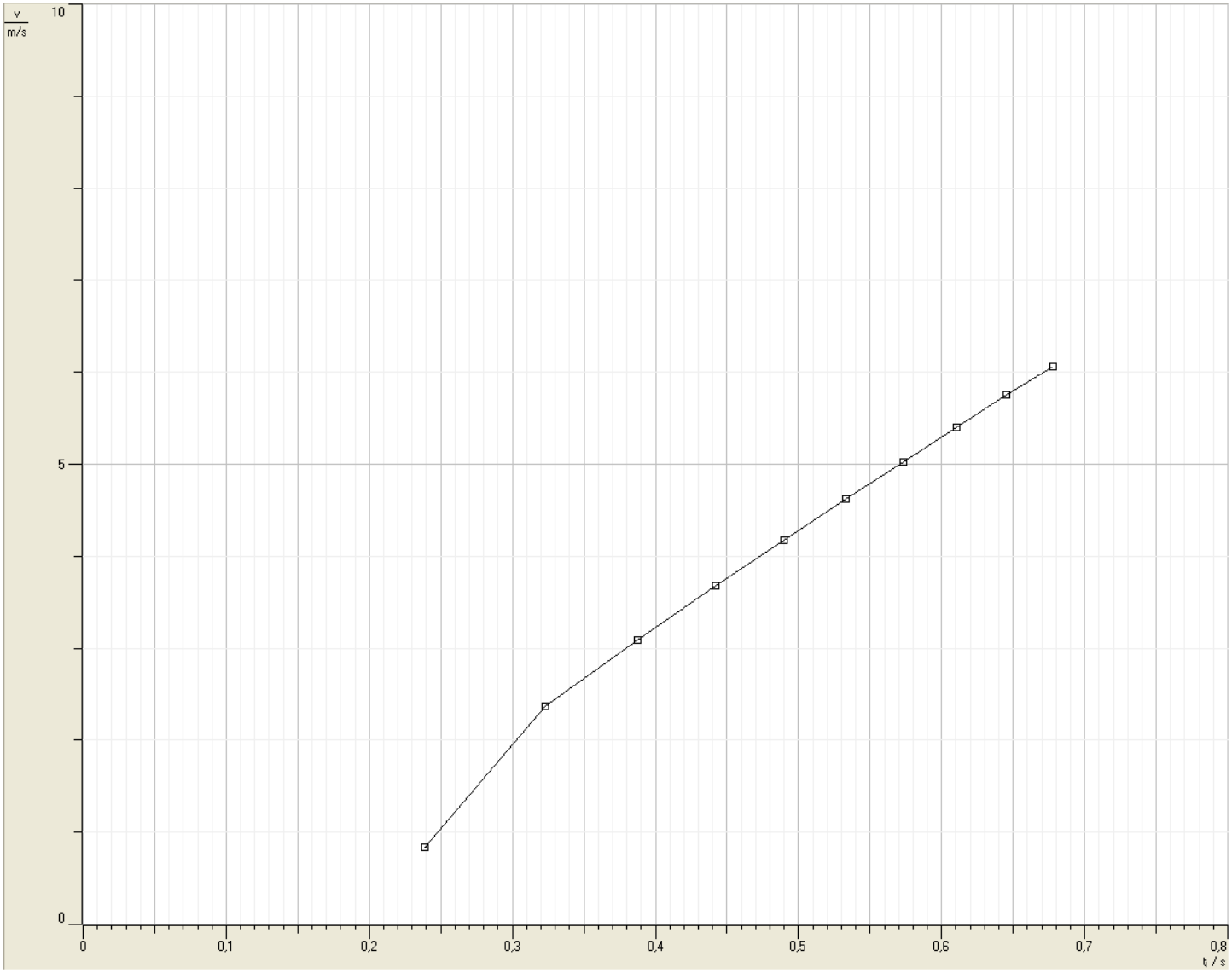
Messwerte für Weg gegen Zeit



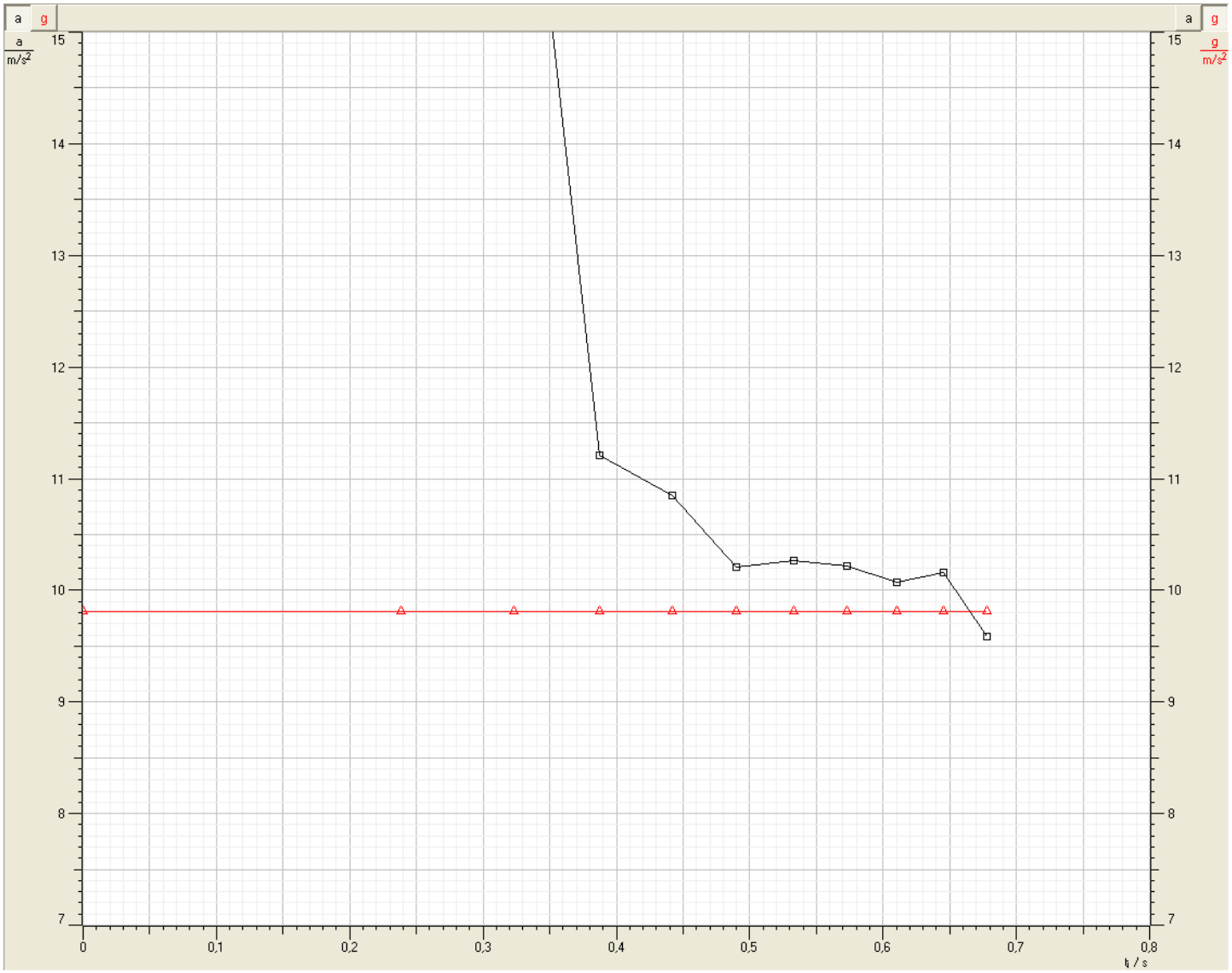
Parabelfit an Messwerte für Weg gegen Zeit



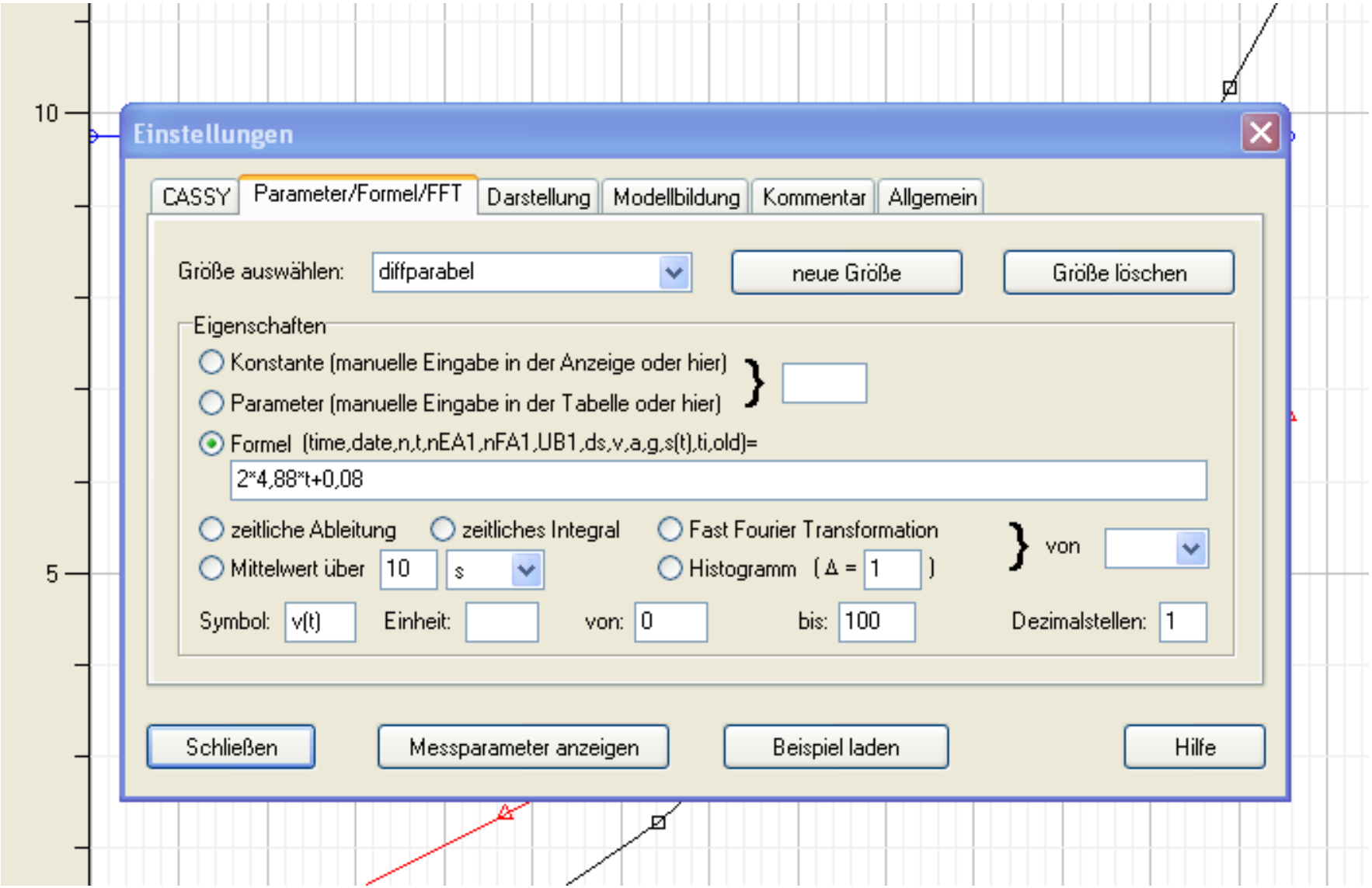
Geschwindigkeit gegen Zeit aus den Messwerten



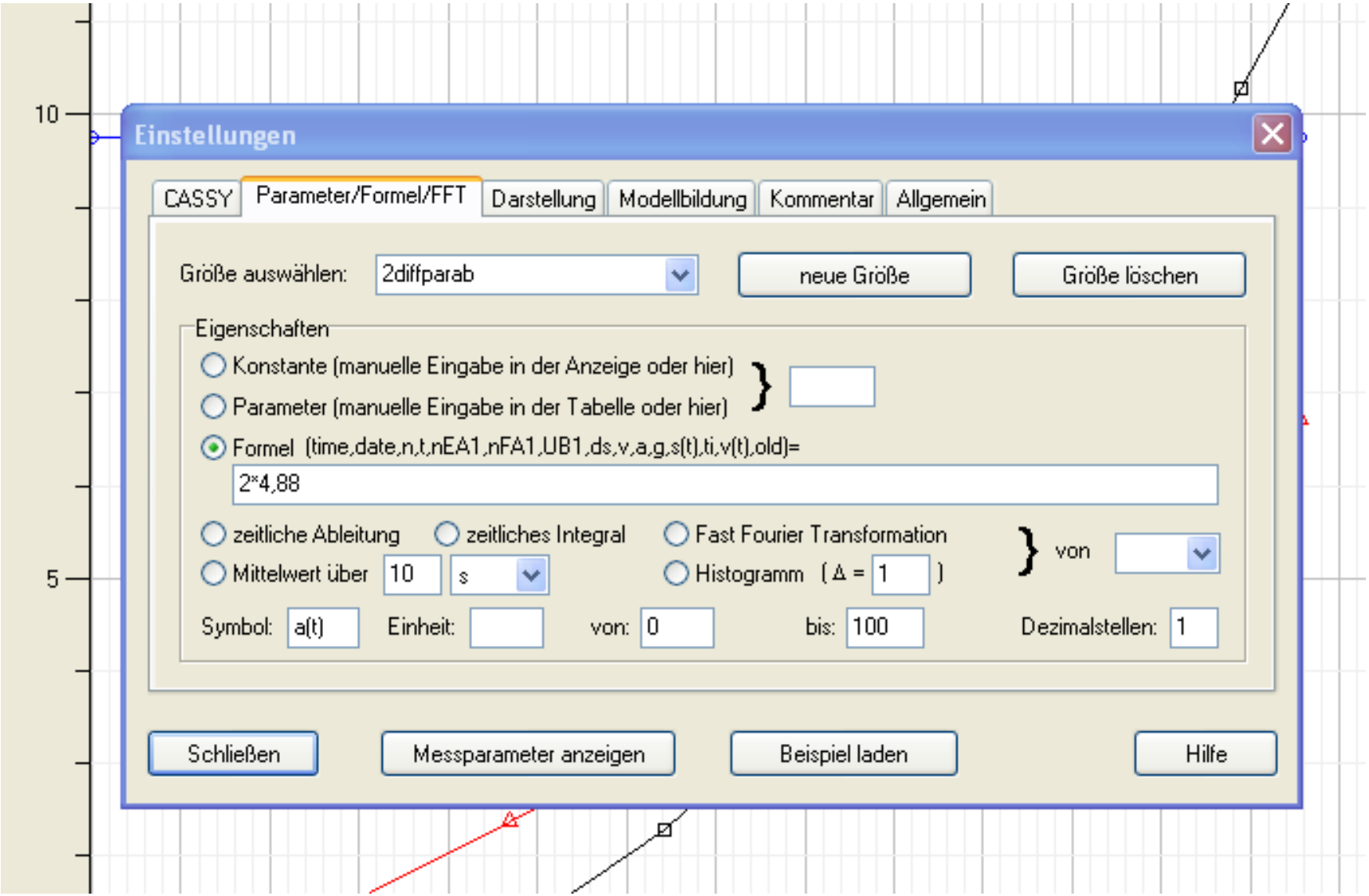
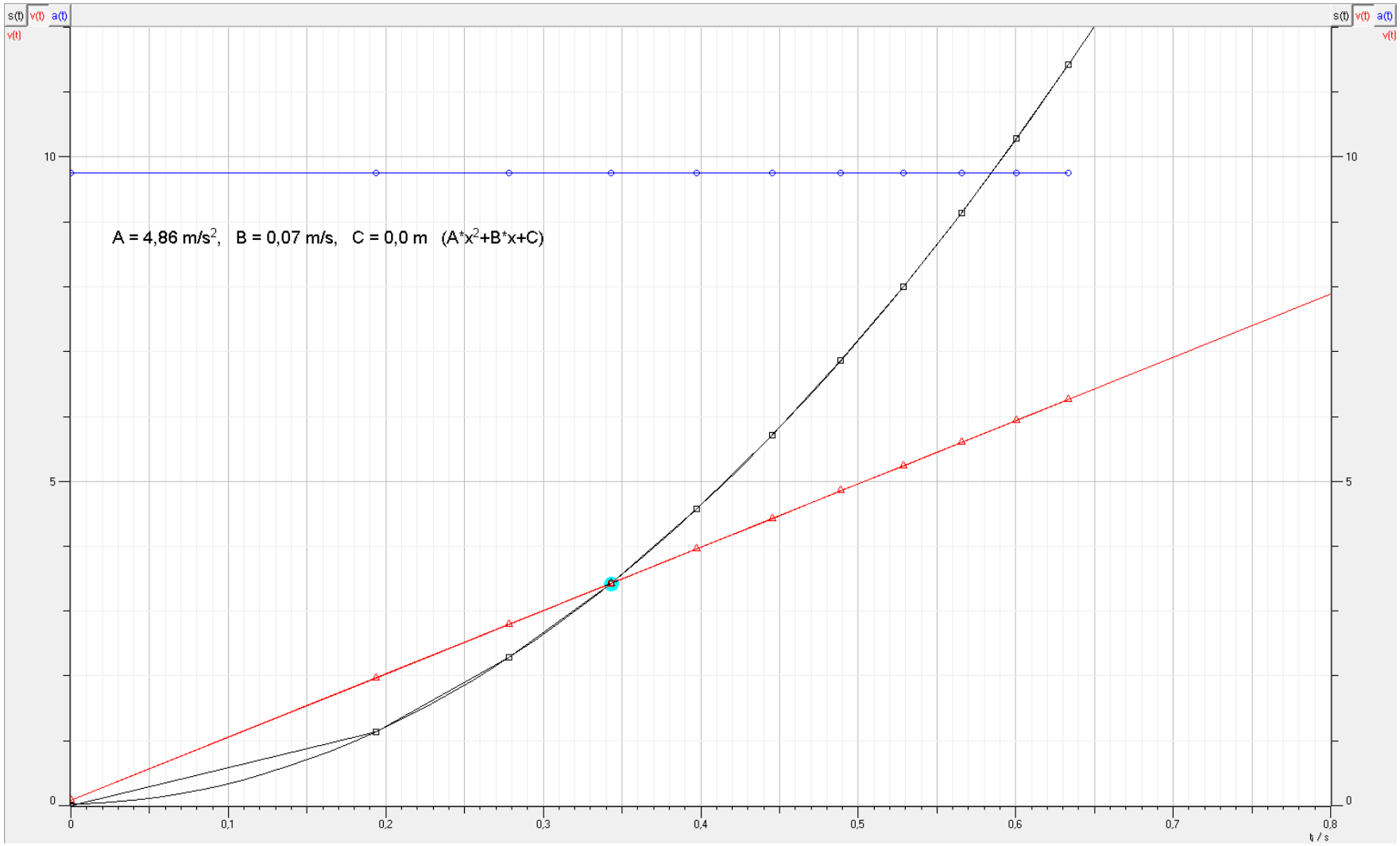
Beschleunigung gegen Zeit aus den Messwerten, plus Theoriewert (rot)



Berechnung der Geschwindigkeit aus den Fitwerten



Berechnung der Beschleunigung aus den Fitwerten



Messwerte für Weg gegen Zeit mit Fit sowie berechnete Geschwindigkeit und Beschleunigung