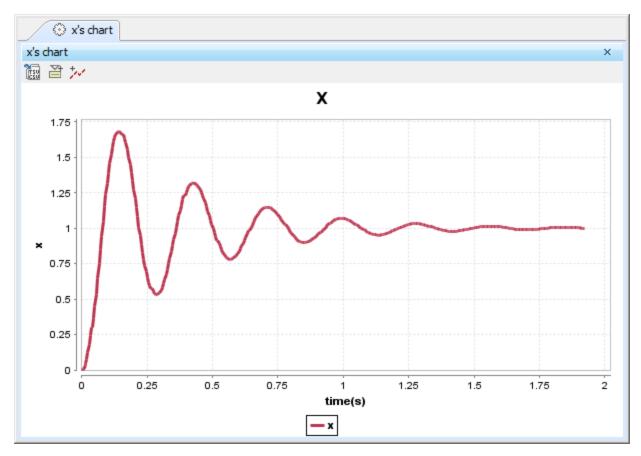
## The Time series chart

Magic Model Analyst allows you to show the plot between runtime values, which are the numerical value and simulation time. This plot is called Time series chart. To view this chart during a model simulation, right-click the row of a runtime value in the **Variables** pane and select **Show in time series chart**.

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2 2 2				¢	
Name	Value	Value			
⊡" 🧮 Motion Analysis	motion /	motion Analysis : Motion Analysis@24e8aa8			
a : Accleration-m/s2	483.234	483.2346			
···· 🔽 t : Time-ms	10.0000				
… V t0 : Time-ms	5.0000				
···· ▼ v : Velocity-m/s	3.6538	3.6538			
… V : Velocity-m/s	1.2376	1.2376			
····▼ x : Distance-meter	0.0245		Europe d De curricultu		
······································	0.0062		Expand Recursively		
system : System	motion /		Add Value		
: x(t) {x=1-(exp(-c*sqrt(k/m)*t*0.001)*((si			Remove Value		
$\mathbf{v} \cdot \mathbf{c} : \mathbf{v}(\mathbf{t}) \{ \mathbf{v} = (\mathbf{x} \cdot \mathbf{x} 0) / (d\mathbf{t}^* 0.001) \}$	v(t)@2 a(t)@1		Export Value To	>	
	dt@440		Save To Default Value(s)		
	alenno		Show in Timeline Chart	>	
			Show in Time Series Chart	N	
			Go To	13 x	
		€€	Select in Containment Tree	Alt+B	
			Edit		

The context menu showing the runtime value in the Time series chart.

The Time series chart shows the runtime value with respect to simulation time shown as follows



The Time series chart of runtime value of Property x.

## Related page

• Time Series Chart