

C47 Ref page : BestF param -- MODEL (Model) in menu [REGR.1]gF4 : Functions to set parameter for which models are selected in the LR analysis

Label	Fullname	Description	AdditionalInfo
AllF	Set all (models)	Set <BestF> to include all curve fitting models (511) ; deselects OrthoF	L.R. selected to 511
ResetF	Reset fitting	Reset <BestF> to default (1)	L.R. selected to 001
OrthoF	Orthogonal fit	Select orthogonal curve fitting (used in PLSTAT) ; deselects other curve fit settings	Sets <BestF> to 0 ; TI : L.R. selected to OrthoF
L.R.	Linear Regression	Calculate all selected regression models, and select the one with the best coefficient of fit model correlation (r)	<model>* a ₂ = ; y = a ₁ ; <formula> a ₀ =

Label	Fullname	Description	AdditionalInfo
LinF	Linear fit	Set <BestF> to include Linear curve fitting : $y = a_0 + a_1x$; deselects OrthoF	Adds 1 to <BestF> ; TI : L.R. selected to <BestF>.
ExpF	Exponential fit	Set <BestF> to include Exponential curve fitting : $y = a_0 e^{(a_1x)}$; deselects OrthoF	Adds 2 to <BestF> ; TI : L.R. selected to <BestF>.
LogF	Logarithmic fit	Set <BestF> to include Logarithmic curve fitting : $y = a_0 + a_1 \ln(x)$; deselects OrthoF	Adds 4 to <BestF> ; TI : L.R. selected to <BestF>.
PowerF	Power fit	Set <BestF> to include Power curve fitting : $y = a_0 x^{a_1}$; deselects OrthoF	Adds 8 to <BestF> ; TI : L.R. selected to <BestF>.
RootF	Root fit	Set <BestF> to include Root curve fitting : $y = a_0 a_1^{(1/x)}$; deselects OrthoF	Adds 16 to <BestF> ; TI : L.R. selected to <BestF>.
HypF	Hyperbolic fit	Set <BestF> to include Hyperbolic curve fitting : $y = (a_0 + a_1x)^{-1}$; deselects OrthoF	Adds 32 to <BestF> ; TI : L.R. selected to <BestF>.
ParabF	Parabolic fit	Set <BestF> to include Parabolic curve fitting : $y = a_0 + a_1x + a_2x^2$; deselects OrthoF	Adds 64 to <BestF> ; TI : L.R. selected to <BestF>.
CauchF	Cauchy peak fit	Set <BestF> to include Cauchy peak curve fitting : $y = [a_0 (x + a_1)^2 + a_2]^{-1}$; deselects OrthoF	Adds 128 to <BestF> ; TI : L.R. selected to <BestF>.
GaussF	Gauss peak fit	Set <BestF> to include Gauss peak curve fitting : $y = a_0 e^{[(x - a_1)^2 / a_2]}$; deselects OrthoF	Adds 256 to <BestF> ; TI : L.R. selected to <BestF>.

Label	Fullname	ResetF	Value	AllF	Value	Example	Value
LinF	Linear fit	ON	1	ON	1	ON	1
ExpF	Exponential fit	OFF	0	ON	2	ON	2
LogF	Logarithmic fit	OFF	0	ON	4	ON	4
PowerF	Power fit	OFF	0	ON	8	ON	8
RootF	Root fit	OFF	0	ON	16	OFF	0
HypF	Hyperbolic fit	OFF	0	ON	32	OFF	0
ParabF	Parabolic fit	OFF	0	ON	64	OFF	0
CauchF	Cauchy peak fit	OFF	0	ON	128	OFF	0
GaussF	Gauss peak fit	OFF	0	ON	256	OFF	0

<BestF> =	1	<BestF> =	511	<BestF> =	15
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