

TECHNICAL SPECIFICATIONS

- v. 1 -

- ✓ feeding
 - maximum number of training points → 60
 - maximum number of independent/dependent variables → 10/1
- ✓ calculations
 - a. general performance
 - resulting equation → second-degree polynomial fit
 - exponential variations
 - span under consideration → 20 values $\in [-3.5, 3.5]$
 - simultaneous exponential variations? → yes [1 + other value from this span]
 - b. restrictions in v. 1
 - negative values not allowed → request some help [support@trendingit.com]
 - zeroes not allowed → low enough values [e.g., 10^{-20}]
 - [recommendation] low enough values → read “scope of application” for more info
- ✓ computational expense [intel pentium 4 + 2 GB of memory]
 - 60 cases + 10 independent variables ~ 30 minutes
- ✓ mean error
 - mean relative error after applying the given fit to all the cases
 - $\leq 5\%$ [for the default trend definition] & 30+ cases → solid trend
- ✓ trend definition [default configuration (to be modified only under extreme circumstances)]
 - min. cases [85] → % of cases acceptably predicted by the fit
 - max. error [5] → upper boundary delimiting “acceptably predicted” case

SYSTEM REQUIREMENTS

- ✓ platform → PC
- ✓ operating systems [windows] → 2000, XP, 2003 server, vista
- ✓ preinstalled software [microsoft excel] → 2000, 2002, 2003, 2007
version compatible with openoffice will be soon available
- ✓ minimum (recommended) hardware
 - CPU → intel pentium 4 1.6 (2.2) GHz processor [or equivalent]
 - memory → 1 (2) GB
 - available hard disk space → 5 (10) GB