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$$\Delta y \text{ و } \Delta x$$

$$a(p) = \frac{\Delta y \cdot \Delta x}{m^r}$$

m=

$$A = \sum p \cdot a(p)$$

a(p)=

$\sum p =$

A=

$$V = \sum p \cdot a(p) \cdot t$$

t=

:Coefficient Error (CE)

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(Mathron)

(gride)

$$\begin{array}{c} : \\ : \end{array} \quad \begin{array}{c} c, b, a \end{array}$$

$$b = \sum_{i=0}^m p_i \cdot p_{i+1}$$

$$c = \sum_{i=1}^m p_i \cdot p_i + \gamma$$

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(SPSS Inc., Chicago, IL, USA) SPSS

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(Aalto)

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References:

1. Trosic I, Matatauscicpisl M, Radaly Z, et al. Animal study on electromagnetic field biological potency. *Arch Hig Rada Toksikol* 1999 ; 50: 5-11.
3. Van Den Heuvel R, Leppens H, Nemethova G, et al. Haemopoietic cell proliferation in murine bone marrow cells exposed to extreme low frequency (ELF) electromagnetic fields. *Toxicol In Vitro* 2001;15:351-5.
4. Sait ML, Wood AW, Kirsner RL. Effects of 50 Hz magnetic field exposure on human heart rate variability with passive tilting. *Physiol Meas* 2006;27: 73-83.
5. Baldi E, Baldi C, Lithgow BJ. A pilot investigation of the effect of extremely low frequency pulsed electromagnetic fields on humans' heart rate variability. *Bioelectromagnetics* 2007; 28:64-8.
6. Jeong JH, Kim JS, Lee BC, et al. Influence of exposure to electromagnetic field on the cardiovascular system. *Auton Autacoid Pharmacol* 2005; 25:17-23.
7. Smith A, Bruton J. A color atlas of histological staining techniques, 2th ed. USA: Wolf medical publication; 1978, 133-163.
8. Howard CV, Reed MG. Unbiased stereology, Liverpool, UK: Bios scientific publishers, 1998, 1-345.
9. Oral B, Guney M, Ozguner F, et al. Endometrial apoptosis induced by a 900-MHz mobile phone: preventive effects of vitamins E and C. *Adv Ther* 2006; 23:957-73.
10. Aalto S, Haarala C, Bruck A, et al. Mobile phone affects cerebral blood flow in humans. *J Cereb Blood Flow Metab* 2006; 26: 885-90.
11. Bortkiewicz A, Gadzicka E, Zmyslony M, et al. Neurovegetative disturbances in workers exposed to 50 Hz electromagnetic fields. *Int J Occup Med Environ Health* 2006;19:53-60.
12. Edward F, Block IV. The Philosophy of Bioelectromagnetic Medicine, Introduction to Medical Schemas. *J Bioelectromag Med* 2004; 9. (Accessed 20 Aug, 2007 at: <http://www.diamondhead.net/p9.htm>).