

	-	,	,
Shell63	42.203	0.001378	0.413e9
Shell93	194.625	0.001398	0.438e9
Shell181	39.250	0.001388	0.263e9

: 1. . .
 . - .: , 1998; 2. :
 . - .: , 1975. - 539 .

539.3

_____ , . . , . . .

$$f_0, f_1, f_2 \dots f_k, \quad f_k = f(t_k).$$

$\} , c) -$

(. .):

$$y(t) = \sum_{k=1}^n c_k \exp(\} k t) \tag{1}$$

(1) $L > n$ $t_0 = 0; y(t_k) = f(t_k)$ $f_0, f_1, f_2 \dots f_k$:

$$\begin{cases} f_0 = c_1 + c_2 + \dots + c_n \\ f_1 = c_1 e^{\} 1 \Delta t + c_2 e^{\} 2 \Delta t + \dots + c_n e^{\} n \Delta t \\ f_2 = c_1 e^{2\} 1 \Delta t + c_2 e^{2\} 2 \Delta t + \dots + c_n e^{2\} n \Delta t \\ \dots \dots \dots \\ f_L = c_1 e^{L\} 1 \Delta t + c_2 e^{L\} 2 \Delta t + \dots + c_n e^{L\} n \Delta t \end{cases} \tag{2}$$

$$x_1 = e^{\} 1 \Delta t, x_2 = e^{\} 2 \Delta t, \dots, x_n = e^{\} n \Delta t \tag{2} :$$

$$\begin{cases} f_0 = c_1 + c_2 + \dots + c_n \\ f_1 = c_1 x_1 + c_2 x_2 + \dots + c_n x_n \\ f_2 = c_1 x_1^2 + c_2 x_2^2 + \dots + c_n x_n^2 \\ \dots \dots \dots \\ f_L = c_1 x_1^L + c_2 x_2^L + \dots + c_n x_n^L \end{cases} \tag{3}$$

x_1, x_2, \dots, x_n
 $n - (x-x_1)(x-x_2) \dots (x-x_n) = 0$

$$x^n + z_n x^{n-1} + z_{n-1} x^{n-2} + \dots + z_2 x + z_1 = 0 \tag{4}$$

$$x_i - \tag{4},$$

$$\begin{cases} x_1^n + z_n x_1^{n-1} + z_{n-1} x_1^{n-2} + \dots + z_2 x_1 + z_1 = 0 \\ \dots \dots \dots \\ x_n^n + z_n x_n^{n-1} + z_{n-1} x_n^{n-2} + \dots + z_2 x_n + z_1 = 0 \end{cases}$$

$$c_1 x_1^p; c_2 x_2^p \dots -$$

(3):

$$f_{p+n} + z_n f_{p+n-1} + \dots + z_2 f_{p+1} + z_1 f_p = 0 \tag{5}$$

