

$$\check{S} = 2\check{J}(t) \circ \frac{d}{dt} \check{J}(t).$$

$$\check{S}_i \quad [t_{n-1}, t_n]$$

$n_i, i = 1, 2, 3.$

$$k_i \quad \mathbb{E}_i \quad (1)$$

: 1. . . , 1973. 320 .

681.3

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CAD/CAE

( )

(freeware) CAD/CAE

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1992. 3. OpenGL ( , BHV 1998. ). 4.

658.012

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Comsol Multiphysics

(STFT),