L

1 , $\dot{S}$

2 , -

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5 . A

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,

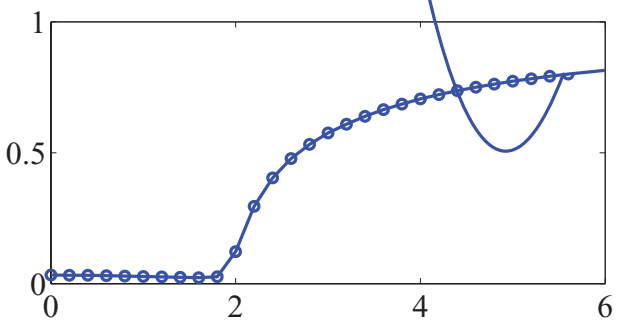
$$K^{\sigma\sigma^{\prime}} = \begin{cases} Ck & \sigma = \sigma^{\prime}, \\ K & , \end{cases} \tag{14}$$

k K . 1

Ck

. M ,

$K^{\sigma\sigma} = k/\epsilon$ ϵ 1


1
0.5
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6

- r_σ Ω_σ F . 3( ). 3( ),
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B, $R = 0$ r_σ E . (17)
σ. F 3( )

C, r_σ
E . (20). F 3( ) D,
r_σ
E . (20),
r_σ σ $\lvert r_\sigma \rvert$. T

E . (21). T

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IV. GLOBAL DIMENSIONALITY REDUCTION

I ,

$Z = \int e^{i\Psi}$. 1

. A N_σ

, $C \to \infty$
$F(\psi, \Omega, r, t)$
ψ,
Ω, r t. I

,

F $\partial_t F +$
$\partial_\psi (F\psi) + \partial_r (Fr) = 0$. H ,

A