

532.5+621.527

\_\_\_\_\_ , . . . , . . . , . . .

10-15 ),

[1],

$v_0$   $x: \hat{0}_c = \hat{0} \cdot [0.3 + (0.14 \cdot x / d_c)]^{-1}.$

[2],

$\hat{(u)} = \hat{0}_c \cdot (1 - u^2)^2$  [3]:

$pb(u) = p_2 \cdot \left\{ \left[ 1 + M_1(u)^2 \cdot (k-1)/2 \right] \times \left[ 1 + M_2 \cdot (k-1)/2 \right]^{-1} \right\}^{-\frac{k}{k-1}}$

$M_1(u) = \hat{(u)} / a -$

$$: pBak(u) = 1 \cdot 10^5 - p1(u).$$

15-20

:1.

, 1973, 848 .3. , 1981. 464 .2.

./ . . , 1978. 463 .

621.9

\_\_\_\_\_ . . , . .

)

[2].

Rapid Prototyping.

RP

3D CAD

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[3, 4].