J. JC 型名計 到達如, MOSFET의 intrin sic voltage gain 이 러워되り 않って見て MOSFET 설계 4, Scalling tole を ではこととり かちろとと そろいり

Output Conductance \( 01624=3\frac{1}{2} \) 0 01 51\frac{1}{2} \\
7201, t12625121. Maximum Voltage Gaim
\[ = \frac{9msn^2}{9ds} \] 0/1/ \( \tau \text{13} \) 1 [L.

Ids & Vgs-Vt of 6/24/6/23

d Idat = d Isat 2/2/21 d Isat alvos = gm

O [[].

Vt = Vz-long - (Vast 0-4) e ea 1/123 d/t = e - ed & 2/9CL

3 9ds = dIdsat dVt of Edgel

9ds = 9msat X e - ed o | sol

Inthinsic voltage gain = 9msat = eld

0/ =LLL

LOIZGOTZIEZ ld I ZGOTZIOKEE VIZIZIE WHOSE gain & EZZOIEL Channel lens the modulation of Alexander Country and Mandage (1) and Control of 1) and 1) and

oles 9ds = Flower = Idsat · JUL

A Ld · Just · Just

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Vols - Valsat

E & Zuly

Vols - Valsat

Channel Length (438% Dimension)

THE Small la (438% Dimension)

Stell I'm england Aut 9ds & onl

7/74m Ref 4 Stell