De sweep

Vin \_ m = Vin - p

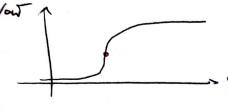
Swap Vbz e dopo smup Vm-p

Ripetiano gli den penego dello schenelas e cueno l'extrected Usiono ugnot impotoron precedente

Environment inserts extracted prime dello schanola

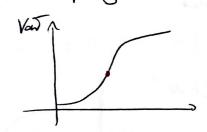
De compenent perenules -> Voc -1,6 1,6

Vedramo Vout



-785,72mV = -785,8-785 = Vbz

Per Vin-puguale me swippo lus



524,7mV = Vi-p

Input abset valtage faccio smarp Vin-p Se millo Va-p AC O

Vant = Vinn poiche' closed loop redemo when do Vant

DC -> opening point

print - 275 pmV Abst Dc noch voltage

AC open loop Vin-m volor consti Vin-p AC IV AC & 1. Top SM Visnelizzo Vont Roult - Ac Gern place 1 Hz 106,8 dB polo (ciai -318) polo e 104 118 6,6Hz 1,54 hHz -43,4° PM = 86,6° prepuence d'horrisance a OSB Z pols concellets can 2 zer. Closed loop Tolgo lebel Vin-m e mitto Vont pur chiden loop (contaciono follow) Simula - prot plet -> Ac Germ and please Vow vs Va-P beginne de lose f-3AB = 180° - 50° = 130°

Hergene de lose f-3AB = 180° - 50° = 130° generatore Vpmls IZR closed Cop Step-responce persado 6 ms Tran 0 30/15 V1 - 200 mV Vz + zasmV Tr = 700 ms To = 700 ms spoto lebel de Van-p elle dep response a Van-p preaderle mero e ne connection (nco to 10%-10% dx = 583,50 cms settling Time 1% dil volev mote

Trovo settling time delle swing e 188mV 942,3 ms

 $SR = \frac{dy}{dx}$   $SR = \frac{581,85 \, \text{NV/s}}{5.000 \, \text{NV/p} \, \text{s}}$ 

Adino Serando frank di discure

To 10%-80% 1x=575,21ms

No stilling time dx = 872,3 ms

SR- = dy = 608,8 W/ s = 0,61 V/ms

CMRR

Ad = 107 dB

Open loop pur brown Ac Allere Promo du el 142 A= 58,6 dB cnmr = Ad = Al (16 - Ac (18 = 48,4 AB

CHR Buller made

metto in a dored lop & beco DC smeep de Va-p

CM= - 1474V cnr+= 1,201V

CMR = CMR+ - CMR- = 2,683V

puchi mi interese volon de Va-p porche in returnam

VOLT VS VALL

PSRR = All

PSRR = All

Volt

Volt

Volt

Volt

Arclar AC

Arcl

 $\frac{dv_0}{d(-Vss)} = 67,248$  PSSR = 39,843

Total bias current

Analar DC per operating point con t

Nesult -> Annotale -> Compenent perameter

(=-6,77mA Vold (=6,77mA Vold