1 Paccelotpan cactery 1000p-QUMOIT C YEATRON & T. A Uckanas marpulga aller Eug M=T-1. Rq oT 29e T-Matpulya nepexogd k 40800 CK, Re- MONT PULGO UP 2000. 8 HOBOOT C.K. Tepexog K HOGON CK- 3TO napal. neperior Egals fentapa (a, b) = OA; e20 monpuya! Обратное предбр. - эта парал. перенос на обрагнай вектар: T = [1 0 0 0] 1/peodp. 8 410800 CK-210 MOROROT BOXDYZ WENTRO

ROOPGUMAI HA Gral 4

3 Paccuotyum CK C yenteau BT-A, B KOTOPOUT HOURD. BEKTOD à nparvoir L concerpablem c 07 & MOLICIUMMO 3 agave 1, M = Q-1/1/Q TREGETABULL Q B Q=R,R2.T RI- NOBORCT BOXPUT OX RAK MG Pacyme: (40 from TM-4)

o wyd -m/d 0 n/d 0 $d = \sqrt{m^2 + n^2}$ R2-NOBOPCT BOKEGE OCU Ha yron O 1 0 - L 0 0 0 0 1 n egemo c

N- NOBOROT BOKPYZ CRU OZ Ma P. $N = \frac{\cos q}{-\sin q} \frac{\sin q}{\cos q} \frac{\cos q}{\cos q} \frac{\cos q}{\cos q}$ Thora, 078et: M= T-1 R2 R1 NR1 R2 [8 Поворот вокруг прящой С Manp. Bertopour V Ha y 201 6 uneer lug. WHAGWGI uge q = (05(\frac{1}{2})+7-5in(\frac{1}{2}) Des nepeoro nolopora: Vi=1, Q=12 9= cos(21)+ i-sin = = (1+i) De broporo: V2=j, 0/2= 5

92 = 13 (1+j) Результируриций поворот: W -> qwq, rge q = q1 q1 = = \(\frac{1}{2}\frac{1 $= \frac{1}{2}(1+1+j-K) = \cos(\frac{1}{2}) +$ + Sin 3 (1++-K) T. e. pezgratupgolyllu nocopoiна угол 1/6 вокруг прямой С напр. вектором (1,1,-1).13