2025-03-11 UN I'm trying to project a line onto a point. and it looks like I need to meet a plane with a point. I've already coded up point 1 plane. I wonder what it looks like the other way around? My gut feeling is -ve plane 1 point = p1V = (p.e. + p.e.z + p.e.z + p.e.o) 1 (V. R032 + V. R013 + V. R021 + V. R123). remember RINEI=0 and so on. = (P.e.) (V.e032) e1032 + (P. ez) (V. e013) P2013 + (P. e3) (V. e022) P3021 + (p. e0) (v. e123) e0123 Wow, so it does end up being - rap P1V = a dual quaternion with dq.w = dq.e23 = dq.e31 = dq.e12 = 0 dq. 801 = dq. 802 = dq. 803 = 0 dq. eo. 123 = (p.e.)(Y. eo. 32)+ (p. e. 2)(Y. eo. 3)+ (p. e. 3)(Y. eo. 21)+ (p. e. a)(Y. e. 123).