27 norm 2 dot product @ norm(山 = 1 30) V = (V1, V2) V=(4,12-.. Vn) 1111 = 14742 小川至影片 1/2 W/371/2 23 @ normal 83 - 11VV20 - 11 VII (=> V=0 - 11KV11= 1K/11V11 @ Unit vector: 21 4151 L>207-12 数时 TIVII ex) (1,0) (0,1) 722 (1,0,0), (010), (0,01) 5 standard unit vector (4) $\forall z \mid V_1 = (x_1 y_1) \Rightarrow \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$ $V_2 = (x_2 y_2)$ norm 11 /2-41 = 11 (x2-x1, 42-41)11 3 Pot Product V1·V2=生まれ. V1=(x1/x1), V2=(x2//2) (x1, y1) . (x2/y2) = x1.x2 + y1 /2 () 空化版型 一日主七年23°V1°V2=V2·V1 - 芸琳記外: v·(リナW)=リリナレW 一点我子出: K(U.V)=(KU)-V=U(K.V) 一利日 KEVOV20. V=(V1, V2) V · V=(V1 · V1 T V2 · V2) = (V12+V22)20. VVOV = VV12+V22 =11/1