KINEMATIKA 1D, 2D, VEKTORDI, ODVODI, INTEGRALI DX = Xx - X2 premik (displacement) Rako dalect od izkodistne totke smo [m] s = ... pot (distance) vsota user premireou (oz. mjirovir abs. vred.) [m] T = OX porprecina Ritrost (veRtor) odvisna od smeri premikanja, +- [Ms] V = at = at poupreona Ritrost (skalar) pot degena s spremembo casa ["/s] Integral, odvodi: s(t) = Sv(t) dt v(t) = Sa(t) dt PLOSCINA $\frac{dv}{dt} = \frac{dv}{dt} = \frac{d}{dt} v(t) \quad v(t) = \frac{ds}{dt} = \frac{d}{dt} s(t) \quad NAKLON$ $\frac{dv}{dt} = \frac{dv}{dt} = \frac{d}{dt} v(t) \quad v(t) = \frac{ds}{dt} = \frac{d}{dt} s(t) \quad NAKLON$ $\frac{dv}{dt} = \frac{dv}{dt} = \frac{d}{dt} v(t) \quad v(t) = \frac{ds}{dt} = \frac{d}{dt} s(t) \quad NAKLON$ Gibanje: ENAKOMERNO V = Ronst. ENAKOMERNO POSPESENO a = Ronst. $V = \frac{s}{t} = \frac{s-s_0}{t} \quad s_0 \dots pot \quad ob \quad t_0 = 0$ V = V0 + 2+ S = So + V+ v = V0 + 2aax $\chi = \chi_0 + V_0 + \frac{at^2}{2}$ V=0 PROSTI PAD $g = 9.8 \text{ m/s}^2$ V = gt Sam SRepas na $R = gt^2$ enas be glede $R = gt^2$ Sam SRepas na $\Delta X = \frac{V + V_0}{2} = V + V_0$



