16-April 2020. Computing in Sciences . 2. intialisation. $\sum_{i=1}^{N} \frac{P_i \cdot P_i}{2m_i}$ $\sum_{i=1}^{N} \frac{P_i \cdot P_i}{2m_i} = \sum_{i=1}^{N} \frac{P_i \cdot P_i}{2m_i}$ · distribution of moments: Momentum Distribution. PERT prot(p, pitdp.) x e li zmi dp. LT 2mi 417 pi dpi

Got (Py Pi+dpi)

LATT Pi e zmilit dpi Pace: mi (1, expl-pass) -- prot-accept < event: I w/ put = pubr-accept

O w/ put = 1 - pubr-accept

P) = |x | (|x| | |x| |(DD =1 -) C=1 p_{x} $(x_{u} < p) = p$. prot (xu < prot-acc) = prot-accept 5 COVIDIA Class Models Dyanamical Models SIR Would EPIDEMIOLOGICAL MODEL Prey-Predator Louta-Voltera Ney: Robbits: X-size of population of robbits. [X(t) Dynamical X (F) X x 2X Chemical Kiretus Predatal : Fox : Y d-parametr feill Procreation Tukeraction: 97 jg + 4x (p) Food in Forener X+YB2Y - dx = -(B)XY dY = t(B)XY X and 4 are longled dx: - 1x ax-cx-a-c dx xx-Bxy BYTHE FIETUD DATA OBSEKVA718NS Jr = 8xx - 8x

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HIGHER ORDER
$$\begin{cases} +\frac{1}{2}(x-\lambda_0)^2 + (x-\lambda_0)(y-y_0) \frac{1}{2} + (x-\lambda_0)(y$$



dr J. R.

Solving ergen synth

JoR = AR ガケーンケ

R(k) C, J, + C, J, + ... (6) M Ronk N, exercetors (5) Kinear Sinde

R= C, S, + C, S, 1

(5,5;7;5;

LUS d (45, + 55,) = 5, d(18) + 5, d(26)

RKI $\int_{0}^{\infty} (G_{0}, + C_{1})^{2} = G_{0}$ $\int_{0}^{\infty} \int_{0}^{\infty} (C_{1})^{2} \int_{0}^{\infty} \int_{0}^{\infty} (C_{1})^{2} \int_{0}^{\infty} (C_{1})^{$

Tr. d4 + Tr. dcr = Tr. G7, + Tr. C22,

 $G_{1}\left(\frac{dq-q\lambda_{1}}{dt}+G_{1}\left(\frac{dc_{2}-c_{2}\lambda_{2}}{dt}\right)=0\right)$

V, , V, are linearly independent

di- C,7;=0

