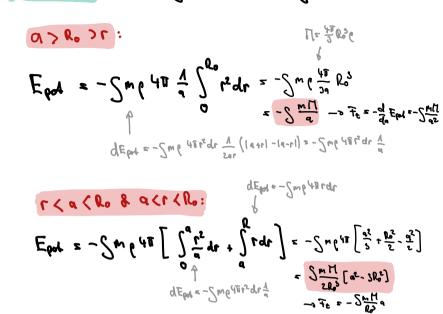
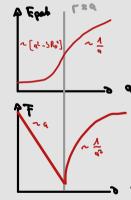
gravitation fold ausgedobnter Körper:

Wighted abo:
$$dE_{pot} = -S \frac{dM}{Q(0)} = -S \frac{d}{Q(0)} = -S \frac{d}{Q(0)} = -S \frac{d}{Q(0)} = \frac{ar si \Theta}{Q(0)} = \frac{ar si \Theta}{Q(0)}$$

Vollregel: - o Cortegotion über Kunglodernen



Vorlesung 18



Mederich Staner Körper:

Modell: System on the mid lisem $|\vec{r}_i - \vec{r}_i|$ Lo Redultion den Bewegung gl.

3-Voorelinalen den 5P

Wichelo neuteurung (3 Robertronsminkel)

There $\pi = \sum_{i=1}^{N} a_{ii}$ Didte $e = \frac{\Delta m}{a_{ii}} \Rightarrow \pi = \sum_{i=1}^{N} e_i \Delta V_i$ Volumen $V = \sum_{i=1}^{N} \Delta V_i$

Jrene Pall N - 20, ΔV; - 0:

V= lim
N - Σ ΔV; =: ∫ dV
ΔV; - 0

Π = ∫ C (x3, e) dv =: ∫ dm

Volumen integral: Areifad-Calegral

Bsp. Guaden V 2 52 52 da dy da

Kugel — Polar koordinolor

Volumen element div o dady da

5 62 si & da døde

Adhus. Wall greven berdrillen den Konger – 1 Zerbern in einfahre Kondinker Wall der Voordinker