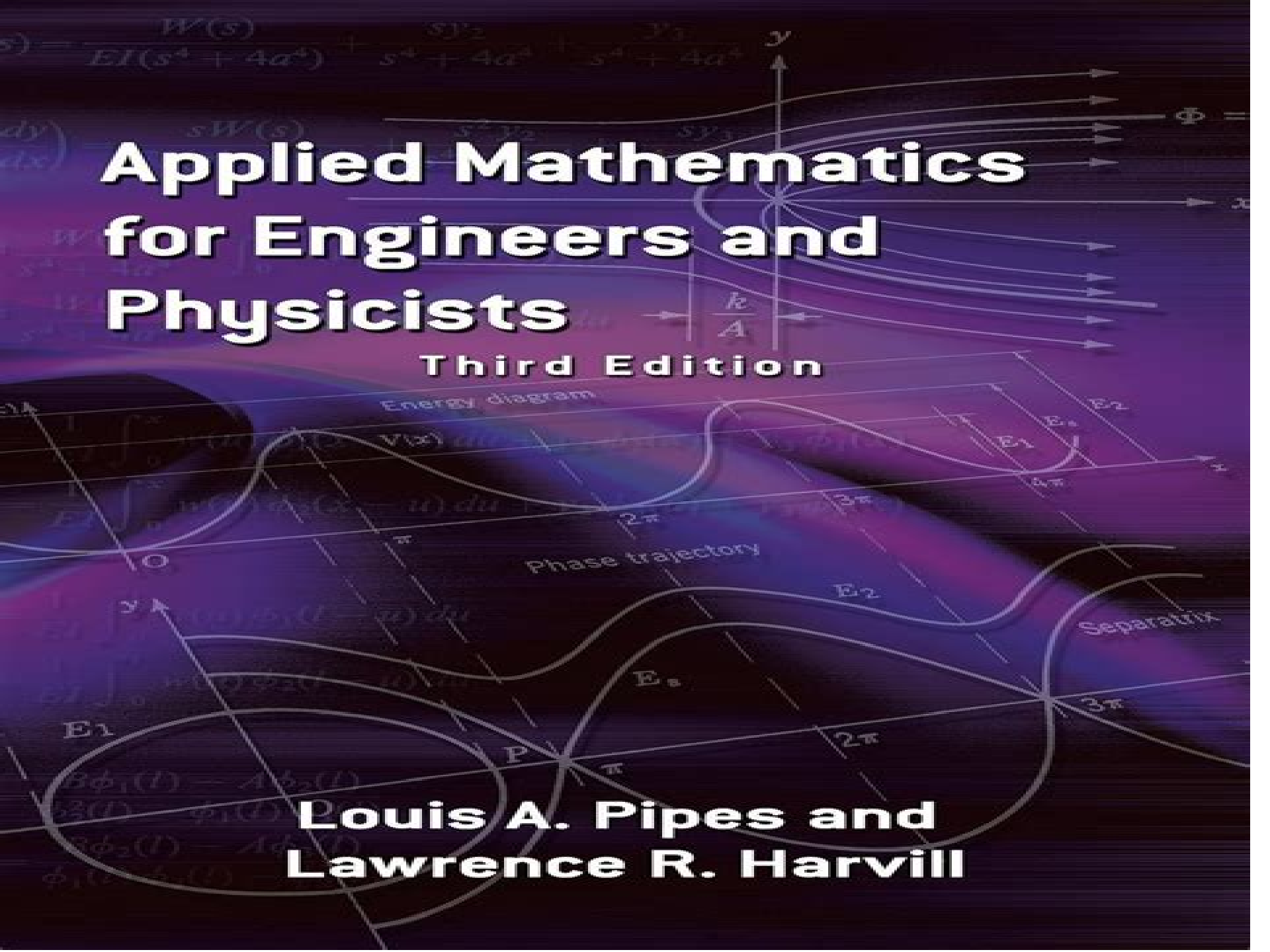


The background is a complex collage of mathematical and physics-related diagrams. It includes a coordinate system with a curve and a vector field, a phase trajectory plot with energy levels E_1 , E_2 , and E_s , and a separatrix. There are also various mathematical expressions like $W(s)$, $EI(s^4 + 4a^4)$, $s^4 + 4a^4$, $s^2 y_2$, $s y_3$, y , x , Φ , k/A , π , 2π , 3π , 4π , 0 , P , $\phi_1(t)$, $\phi_2(t)$, $\phi_3(t)$, $\phi_4(t)$, $\phi_5(t)$, $\phi_6(t)$, $\phi_7(t)$, $\phi_8(t)$, $\phi_9(t)$, $\phi_{10}(t)$, $\phi_{11}(t)$, $\phi_{12}(t)$, $\phi_{13}(t)$, $\phi_{14}(t)$, $\phi_{15}(t)$, $\phi_{16}(t)$, $\phi_{17}(t)$, $\phi_{18}(t)$, $\phi_{19}(t)$, $\phi_{20}(t)$, $\phi_{21}(t)$, $\phi_{22}(t)$, $\phi_{23}(t)$, $\phi_{24}(t)$, $\phi_{25}(t)$, $\phi_{26}(t)$, $\phi_{27}(t)$, $\phi_{28}(t)$, $\phi_{29}(t)$, $\phi_{30}(t)$, $\phi_{31}(t)$, $\phi_{32}(t)$, $\phi_{33}(t)$, $\phi_{34}(t)$, $\phi_{35}(t)$, $\phi_{36}(t)$, $\phi_{37}(t)$, $\phi_{38}(t)$, $\phi_{39}(t)$, $\phi_{40}(t)$, $\phi_{41}(t)$, $\phi_{42}(t)$, $\phi_{43}(t)$, $\phi_{44}(t)$, $\phi_{45}(t)$, $\phi_{46}(t)$, $\phi_{47}(t)$, $\phi_{48}(t)$, $\phi_{49}(t)$, $\phi_{50}(t)$, $\phi_{51}(t)$, $\phi_{52}(t)$, $\phi_{53}(t)$, $\phi_{54}(t)$, $\phi_{55}(t)$, $\phi_{56}(t)$, $\phi_{57}(t)$, $\phi_{58}(t)$, $\phi_{59}(t)$, $\phi_{60}(t)$, $\phi_{61}(t)$, $\phi_{62}(t)$, $\phi_{63}(t)$, $\phi_{64}(t)$, $\phi_{65}(t)$, $\phi_{66}(t)$, $\phi_{67}(t)$, $\phi_{68}(t)$, $\phi_{69}(t)$, $\phi_{70}(t)$, $\phi_{71}(t)$, $\phi_{72}(t)$, $\phi_{73}(t)$, $\phi_{74}(t)$, $\phi_{75}(t)$, $\phi_{76}(t)$, $\phi_{77}(t)$, $\phi_{78}(t)$, $\phi_{79}(t)$, $\phi_{80}(t)$, $\phi_{81}(t)$, $\phi_{82}(t)$, $\phi_{83}(t)$, $\phi_{84}(t)$, $\phi_{85}(t)$, $\phi_{86}(t)$, $\phi_{87}(t)$, $\phi_{88}(t)$, $\phi_{89}(t)$, $\phi_{90}(t)$, $\phi_{91}(t)$, $\phi_{92}(t)$, $\phi_{93}(t)$, $\phi_{94}(t)$, $\phi_{95}(t)$, $\phi_{96}(t)$, $\phi_{97}(t)$, $\phi_{98}(t)$, $\phi_{99}(t)$, $\phi_{100}(t)$.

Applied Mathematics for Engineers and Physicists

Third Edition

Louis A. Pipes and
Lawrence R. Harvill

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