

\n- \n**Peurote** and (2) the volume of the coordinate. The space of admissible configurations is\n
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\begin{bmatrix}\n u: \Omega & \longrightarrow & \{0,4\} \quad \int_{\Omega} u(x) \, dx = \nabla \} \\
u \cdot \Omega & \longrightarrow & \{0,4\} \quad \int_{\Omega} u(x) \, dx = \nabla \} \\
u \cdot \Omega & \longrightarrow & \{0,4\} \quad \int_{\Omega} u(x) \, dx = \nabla \} \\
u \cdot \Omega & \longrightarrow & \{0,4\} \quad \int_{\Omega} u(x) \, dx = \nabla \} \\
u \cdot \Omega & \longrightarrow & \{0,0\} \quad \int_{\Omega} u(x) \, dx = \nabla \times u(x) \, dx = \nabla u(x) \, dx
$$

Remark:	\n E_i is well defined when $u \in W^{1,2}(\Omega)$.\n	\n $W_{1x} = 1$ \n $W_{1x} = 1$ \n	\n $W_{1x} = 1$ \n $W_{1x} = 1$ \n	\n $W_{1x} = 1$ \n																												
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21 Phasetransitionmodels theCohn Hilliardmodel and the ²⁵ ⁰¹ 2023 Modiee Martoktheorem ClassicalModel n 3 ¹ Consider ^a container filledwith ² immiscible andincompressible fluids example oil and water twodifferentphasesofthe same fluid like ice and water at ^o ² In theclassicaltheoryof phone transitions itin assumed that et equilibrium thetwoliquids arrange themselves in order to minimize the area ofthe interface whichseparates the two phases Rework We are neglecting any possibleinteractionofthefluidswiththewellof thecontainer and theeffortofgravity We wouldliketomodeltheprevious situationby means ofmathematics Let ^r ^e IR be open bounded and regularenough no thecontainer Let ^u ^I ^o ^e vs every possible configurationofthesystem where ^u ^o setoccupiedbythefirstfluid ^u ^t setorupiedbythesecondfluid Denote Su thesingularsetof ^u setofdiscontinuity pointsof ^u whichis the interfacebetweenthe twofluids By41 theinterface Su is ^a minimalsurface

The question correspond
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B_3
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\n9.15, then a column 26 (the fary)
\n11. Holtz - Holtz - 14.17
\n12. Holtz - Holtz - 14.17
\n13.16.17 (a, 11)
\n24.18 12 5 Rth 3k equal and the order $\frac{1}{2}$ (a, 14)
\n(b) 00 V 2 and $\frac{1}{2}$ (b) 1
\n(c) V 2 and $\frac{1}{2}$ (d) 1
\n(e) 00 V 2 and $\frac{1}{2}$ (e) 1
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E = \frac{1}{6} \sum_{k=1}^{n} X \longrightarrow R \sqrt{4 \pi 3}
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$$
E = \frac{1}{6} \left[\frac{1}{6} \int_{2} M(u(x)) dx + \frac{1}{2} \int_{2} M(u(x)) dx + \frac{1}{2} \int_{2} U(u(x)) dx + \frac{1}{2} \int
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\n2. $\frac{1}{2} \times 10^{-1}$ m. $\frac{1}{2} \times 10^{-1}$ m. $\frac{1}{2} \times 10^{-1}$ m. $\frac{1}{2} \times 10^{-1}$
\n3. $\frac{1}{2} \times 10^{-1}$ m. $\frac{1}{2} \times 10^{-1}$ m.

