Global exercise - GUE13-extra + SRU13

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1 Step-by-step with A2-SRU12

(i) Parametrized surface S given in the cylindrical coordinate

$$\Phi(s,t) = \begin{pmatrix} s\cos(t) \\ s\sin(t) \\ t \end{pmatrix} \quad \forall\, s \in [0,1],\, t \in [0, \pi/2]. \tag{1}$$