Quality tracking lunedì 28 aprile 2025 C DEUZIA LUISENA p pressione miscera J REDUTA MISURUA t € (0,T) $\frac{24}{9}6 + \frac{9\times}{9}(6_2) = 0$ V pipeline $\frac{3}{3t}(e^{\sigma}) + \frac{3}{3x}(e^{\sigma^2}P) + \frac{\lambda e^{\sigma/\sigma l}}{\lambda l} + e^{gsn\theta} = 0 \quad (none lam consents)$ MEGLECTED P=27=c2 EDS MISCELL (BMC) PLOW NATE PER ARA MISCELA MISCELL GROWENTS SINGLE GNSIDERING HOW $\alpha \in \{1, ..., \infty\}$ OF GREAT $C := e^{\alpha}/e$ TAJJ $\sum_{\alpha=1}^{\infty} e^{\alpha} = e$ $\sum_{\alpha=1}^{\infty} c^{\alpha} = 1$ $\phi^{2} = \sigma e^{\alpha} = \chi^{\alpha} \phi$ $m^{\alpha} = \sigma e^{\alpha} A = \phi^{\alpha} A = \chi^{\alpha} i$ $\sum_{\alpha=1}^{\infty} \chi^{\alpha} = 1$ Y:= ϕ^{α} voutiethic $\phi^{\alpha}:= e^{\alpha}$ individual Gronen DENSITY Pa = Zx RT Zx = 1+ ax(T)p (denité che le componere evulle re occupance tothe il blume) Now we have: $\int_{1}^{\infty} \frac{\partial f}{\partial r} \left(e_{\alpha} \right) + \frac{\partial^{2}}{\partial r} \left(e_{\alpha} \rho \right) = 0$ TA 33 ₩ αε β1,..,~3 $c = \frac{3}{600} + \frac{3}{20} + \frac{3}{20} + \frac{3}{20} = 3$ Loughau A Xe [o'r] Y te To, TJ $\frac{\partial}{\partial t} \left(c^{x} \frac{p}{c^{z}} \right) + \frac{\partial}{\partial x} \left(c^{x} \frac{\dot{m}}{A} \right) = 0$ $\Rightarrow DISCOGNIHATIA$ DA MARCO $\frac{\partial}{\partial t} \left(c^{\alpha} \right) \frac{\partial}{\partial t} \left(c^{\alpha} \right) \frac{\partial}{\partial t} \left(\frac{\partial}{\partial t} \right) c^{\alpha} + \frac{\partial}{\partial x} \left(\frac{\partial}{\partial x} \right) \frac{\dot{m}}{A} + \frac{\partial}{\partial x} \left(\frac{\dot{m}}{A} \right) c^{\alpha} = 0$ $c^{2}\left(\frac{\partial}{\partial t}C + \frac{\partial}{\partial x}(C^{\alpha})\right) = 0$ $= \frac{1}{2} \frac{\partial}{\partial t} (c^{\alpha}) + \frac{\dot{m}}{A} \frac{\partial}{\partial x}(c^{\alpha}) = 0$ $= \frac{\partial}{\partial t} (c^{\alpha}) + \frac{\partial}{\partial x}(c^{\alpha}) = 0$ $= \frac{\partial}{\partial t} (c^{\alpha}) + \frac{\partial}{\partial x}(c^{\alpha}) = 0$ $= \frac{\partial}{\partial t} (c^{\alpha}) + \frac{\partial}{\partial x}(c^{\alpha}) = 0$ $= \frac{\partial}{\partial t} (c^{\alpha}) + \frac{\partial}{\partial x}(c^{\alpha}) = 0$ Yxe[9,L] ¥ t ∈ [3, T] NOOES $\sum_{j \in INC} A_j c_j^{\alpha} \phi_j - \sum_{j \in OUT} A_j c_j^{\alpha} \phi_j = c_i^{\alpha} f_i - c_j^{\alpha} f_i^{\alpha}$ $\forall \alpha \in (1, ..., H)$ $\overline{C}_{j}^{\kappa} = c^{\kappa}(L_{j}, t) \qquad \underline{C}_{j}^{\kappa} = c^{\kappa}(o, t) \qquad \overline{\phi}_{j} = \phi_{j}(L_{j}, t) \qquad \phi_{j} = \phi_{j}(o, t)$ $\Rightarrow) \Delta_j \overline{\phi}_i = \overline{m}_j \quad A_j \overline{\phi}_j = \underline{m}_j$ PRIFECT TIXING $C_i = C_i \quad \forall j \in \text{OUT}$ (CHTWITY OF CONCENTRATIONS) TIE WITH DRAWAL TOTAL MASS flow From Mose c Fi = Fi + 1 Dei HYPOTESIS PI(Xt) = Pi(t) =) CONSTANT IN SPACE IN THE NOTE AS VEDUCED TO PAINT $Fi = Fi + \frac{30i}{3k} Vi = Fi + \frac{Vi}{c^2} \frac{3Pi}{3k}$ SUBSTITUTION Fi we obtain the equation of TARCO Hichom If Mose $\sum_{j \in INC} A_j \overline{c_j}^{\alpha} \overline{\phi}_j - \sum_{i \in OUT} A_j \underline{c_i}^{\alpha} \underline{\phi}_j = -\widetilde{c_i}^{\alpha} F_i + C_i^{\alpha} \left(F_{i+1}^{out} \frac{V_i}{C^2} \frac{\partial P_i}{\partial E} \right) \quad \forall \alpha \in (1,...,H)$