

$$\begin{array}{c} \int_{a}^{\left(j+\frac{1}{2}\right)k} & \int_{a}^{\left(j+\frac{1}{2}\right)k} & u(x) \, dx \\ w_{-}FV := j \mapsto \frac{(j+\frac{1}{2})k}{k} & (7) \end{array} \\ \hline \text{Now write down the rhs of the ODE for FV:} \\ \Rightarrow \mathbf{aw}_{-x} - FV := \left(a\left((1/2)^{+}\mathbf{h}\right)^{+}\mathbf{w}_{-j}\mathbf{ph}(\mathbf{w}_{-FV,0}) - a\left((-1/2)^{+}\mathbf{h}\right)^{+}\mathbf{w}_{-j}\mathbf{ph}(\mathbf{w}_{-FV,-1})\right)/h; \\ \Rightarrow \mathbf{aw}_{-x} - FV := \left(a\left((1/2)^{+}\mathbf{h}\right)^{+}\mathbf{w}_{-j}\mathbf{ph}(\mathbf{w}_{-FV,0}) - a\left((-1/2)^{+}\mathbf{h}\right)^{+}\mathbf{w}_{-j}\mathbf{ph}(\mathbf{w}_{-FV,-1})\right)/h; \\ = \left(\int_{-\frac{-5k}{2}}^{-\frac{5k}{2}} & \left(\int_{-\frac{-2k}{2}}^{-\frac{k}{2}} u(x) \, dx - 5 \left(\int_{-\frac{2k}{2}}^{-\frac{k}{2}} u(x) \, dx - \frac{5}{2} \int_{-\frac{2k}{2}}^{-\frac{2k}{2}} u(x) \, dx - \frac$$