$$V_{1} = \begin{pmatrix} x \\ y \end{pmatrix} = A \begin{pmatrix} x_{+1} \\ y_{+1} \end{pmatrix} + \begin{pmatrix} x_{1} \\ y_{1} \end{pmatrix} \qquad \begin{cases} x_{+1} \\ y_{1} \end{pmatrix} = \begin{pmatrix} x_{+1} \\ y_{1} \end{pmatrix} + \begin{pmatrix} x_{1} \\ y_{1} \end{pmatrix} \qquad \begin{cases} x_{+1} \\ y_{1} \end{pmatrix} = \begin{pmatrix} x_{+1} \\ y_{1} \end{pmatrix} + \begin{pmatrix} x_{1} \\ y_{1} \end{pmatrix} \qquad \begin{cases} x_{+1} \\ y_{1} \end{pmatrix} = \begin{pmatrix} x_{1} \\ y_{1}$$

$$\int_{K_{\pm}} f(x,y) dxdy = \int_{K_{\pm}} f(A(s+1)+(x,y)) \int_{K} dsdr$$

$$= \int_{K} \int_{K} f(x,s) drds$$

$$= \int_{K} \int_{K} f(\frac{(a+1)(x+b)}{2} - 1, b) \frac{1-b}{2} dadb$$

$$= \int_{K} \int_{K} \int_{K} f(a,b) dadb$$

$$f(\begin{pmatrix} x \\ y \end{pmatrix}) = f(A\begin{pmatrix} y+iy \\ s+i \end{pmatrix} + \begin{pmatrix} x_i \\ y_i \end{pmatrix})$$

$$= \int \left(A \left(\frac{(a+i)(1-b)}{2} \right) + \left(\frac{X_i}{y_i} \right) \right) \qquad v$$

$$\widehat{f}(a,b) = f\left(A\left(\frac{(a+1)cl-b)}{2}\right) + \binom{X_1}{y_1}\left(\frac{l-b}{2}\right)$$

Face Integral

$$= \sum_{i=1}^{3} \int_{e_i} f(x,y) ds$$

$$= \sum_{i=1}^{3} \int_{e_i} f\left(A\left(\frac{r+i}{s+i}\right)\Big|_{e_i} + \left(\frac{x_i}{y_i}\right)\right) \frac{/e_i}{2} ds$$

$$=\frac{|e_{i}|}{2}\int_{-1}^{1}f(A(x+1)+(x+1))dx$$
(auss Quadrille.

$$+\frac{10.1}{2}\int_{-1}^{1}f(A\begin{pmatrix} \gamma+1\\-\gamma+1\end{pmatrix}+\begin{pmatrix} \chi_{1}\\y_{1}\end{pmatrix})dr$$

+ 1e3/ 2 J-1	f (A()	$\left(\frac{1}{y} \right) + \left(\frac{x}{y} \right) $	ds	
- 1-1	(3.	9 (010		