$$\frac{V^{n+1} - V^n}{\Delta t} = \frac{q}{m} \left[E + \left(\frac{V^{n+1} + V^n}{2} \right) X B \right] - S \left(\frac{V^{n+1} + V^n}{2} \right) \frac{1}{q}$$

$$\frac{1}{q}$$

$$\frac{1}{q$$

Sum-implicit solve:

So, we need $\frac{0a}{8v}$, 1, and its inverse:

$$= (vxb)_{2} + \frac{1}{5}b_{2}(b + (vxb)) + \frac{1}{5}(bxb)xb)_{2}$$

$$+ \frac{1}{5}b_{2}(f(vxb))x + \frac{1}{5}b_{2}(f(vxb))_{2} - \frac{1}{5}b_{3}b_{4}(vxb)y$$

$$= (vxb)_{2} + \frac{1}{5}(vxb)xb)_{2} + \frac{1}{5}Svx [bx - \frac{1}{5}b_{3}b_{4} + \frac{1}{5}b_{3}b_{4}]$$

$$-\frac{1}{5}b_{3}b_{4} + \frac{1}{5}b_{3}b_{4}$$

= (uxb)+ + \((uxb)xb)+ + \(\) \\ bxvx - \(\) \\ bxby V= \]

Do,
$$V^{+} = V^{-} + 2\Xi$$
 $\left[\frac{(v\bar{x}b) + \Xi}{(v\bar{x}b)xb} + \Sigma(v\bar{x}b)xb}\right]$
 $+2\Xi$ $\left[\frac{x}{x}\left(-\Xi Sv\bar{x}\left(b_{2}+\Xi bxby\right)\right)$
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While $\pm x$ \pm