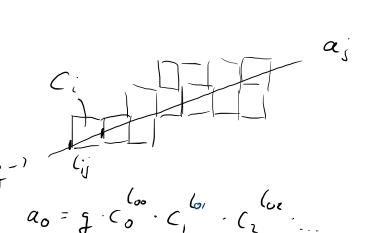
L 65 Motivation



$$\alpha = c_s$$

$$|a| = c_s$$

$$25-7 - 729$$
 $q = cg$
 $g-7 - c^2 f$
 $c^2 f$

$$|o_{i}| \frac{\alpha_{o}}{S} = |o_{o}| |o_{i}| |c_{o}| + |c_{o}| |o_{i}| |c_{i}| + |c_{i}| + |c_{i}| |c_{i}| + |c$$

$$\frac{a_0'}{a_0'} = l_{00} \quad C_0' + l_{01} \quad C_1' + l_{02} \quad C_2' + \dots$$

$$\begin{pmatrix} l_{00} & l_{01} & l_{02} & \dots \\ l_{10} & l_{11} & l_{12} & \dots \\ \end{pmatrix} \quad \begin{pmatrix} C_0' \\ C_1' \\ C_2' \end{pmatrix} = \begin{pmatrix} C_0' \\ C_1' \\ C_2' \end{pmatrix}$$

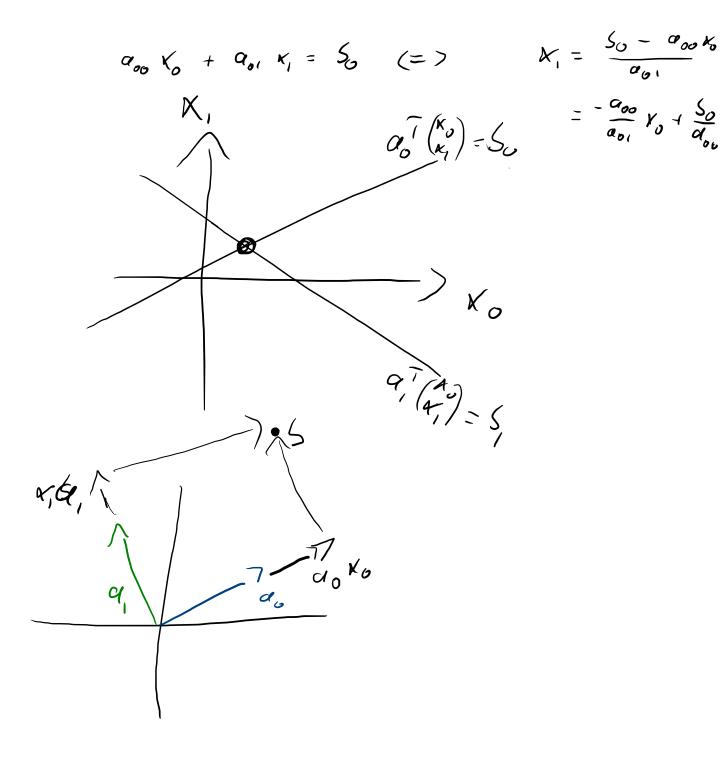
0,0 0,1 0,2 0,3

L c' = a'

(65 Interpretation

Zevien
$$\begin{pmatrix} a_0^7 \\ a_1^7 \end{pmatrix} \begin{pmatrix} \kappa_0 \\ \kappa_1 \end{pmatrix} = \begin{pmatrix} \delta_0 \\ \delta_1 \end{pmatrix}$$

$$Spallen(a_0, a_1) {\binom{k_0}{k_1}} = 5$$



$$\frac{\|r\|}{\|\zeta\|} = \frac{\|Ax - S\|}{\|S\|} = \frac{\|Ax - Ax^*\|}{\|Ax^*\|} = \frac{\|A(x - x^*)\|}{\|Ax^*\|} = \frac{\|A(x - x$$

$$K(A) = \frac{\max_{|A|} |A|}{|A|}$$

$$K(A) = K(A^{-1})$$

Lösen von CGS

Diasonallism

Dreiechsforn

$$K_{0} = \frac{s_{0}}{\sigma_{00}}$$

$$K_{1} = (s_{1} - q_{10} \cdot K_{0})/q_{11}$$

$$K_{2} = (s_{2} - q_{10} \cdot K_{0} - q_{21} \cdot K_{1})/q_{11}$$

$$Vorwarts ein se ken$$

$$K_{n-1} = \frac{s_{n-1}}{q_{n-1}, n-1}$$

$$Q_{n-1} = \frac{s_{n-1}}{q_{n-1}, n-1}$$

Coupsches Elininahonsverfahren (4) (4) e; = e; ; † 4 P: = (0,,0,1,0,...6) min (4) < 1 (4) L eq = (0,...0,1, mia, mia, mia, $\max_{u \neq u} (u) \geq \sqrt{1 + \sum_{i=1}^{\infty} \frac{\alpha_{u_{i},u}}{\alpha_{uu}^{2}}} = \sqrt{\sum_{i=0}^{\infty} \frac{\alpha_{u_{i},u}}{\alpha_{uu}^{2}}}$