Gourad-Schattierung über Rechtecken Alt

$\vec{a}_f := (1,-2,3,1,3,0)^T$ $\vec{b}_f := (1,2,2,0,1,0)^T$

$\vec{c}_f := (-1,1,3,0,0,1)^T$ $\vec{d}_f := (0,1,-2,0.5,0.5,0.5)^T$

$GSK : [0,1]^2 \to \mathbb{R}^3 \times [0,1]^3$,

$(u,v)^T \mapsto (1-u)(1-v)\vec{a}_f + u(1-v)\vec{b}_f + (1-u)v\vec{c}_f + uv\vec{d}_f$

$$= (1-u)(1-v)\begin{pmatrix}1\\-2\\3\\1\\3\\0\end{pmatrix} + u(1-v)\begin{pmatrix}1\\2\\2\\0\\1\\0\end{pmatrix} + (1-u)v\begin{pmatrix}-1\\1\\3\\0\\0\\1\end{pmatrix}$$

$$+ uv\begin{pmatrix}0\\1\\-2\\0.5\\0.5\\0.5\end{pmatrix}$$