## Übungsblatt 2

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$$\overline{f}_u = k_u \frac{W}{W}$$
 " focal length in mult
$$= 2454.11 px \cdot \frac{5.27 mm}{2048px}$$

$$T_{v} = K_{v} \frac{H}{h}$$
  
= 2459,52px \(\frac{3}{1536}\)px

$$HH^{T} = K RR^{T} K^{T} = K K T = \begin{pmatrix} k_{u} & 5 & \times_{u} \end{pmatrix} \begin{pmatrix} k_{u} & 0 & 0 \\ 0 & k_{v} & \times_{v} \end{pmatrix} \begin{pmatrix} k_{u} & 0 & 0 \\ 5 & k_{v} & 0 \end{pmatrix}$$

$$= \begin{pmatrix} k_{u}^{2} + s^{2} + k_{u}^{2} & sk_{u} + k_{u}k_{u} & x_{u} \\ sk_{u} + x_{u}x_{u} & k_{u}^{2} + k_{u}^{2} & x_{u} \end{pmatrix} = \begin{pmatrix} a & b & c \\ b & d & e \\ c & e & A \end{pmatrix}$$

$$R = \begin{pmatrix} 12, 13 & -35, 34 & 11, 72 \\ -0, 22 & 0, 833 & -0, 34 \\ -0, 74 & -0, 12 & -0, 57 \end{pmatrix}$$