Modeling Foreshortening in Stereo Vision using Local Spatial Frequency: **Errata**

1. The updated World Wide Web URL for this paper is:

`http://www.ius.cs.cmu.edu/project/cil/fore/tr.html`

2. This version of Figure 1 should be easier to understand (and photocopy):

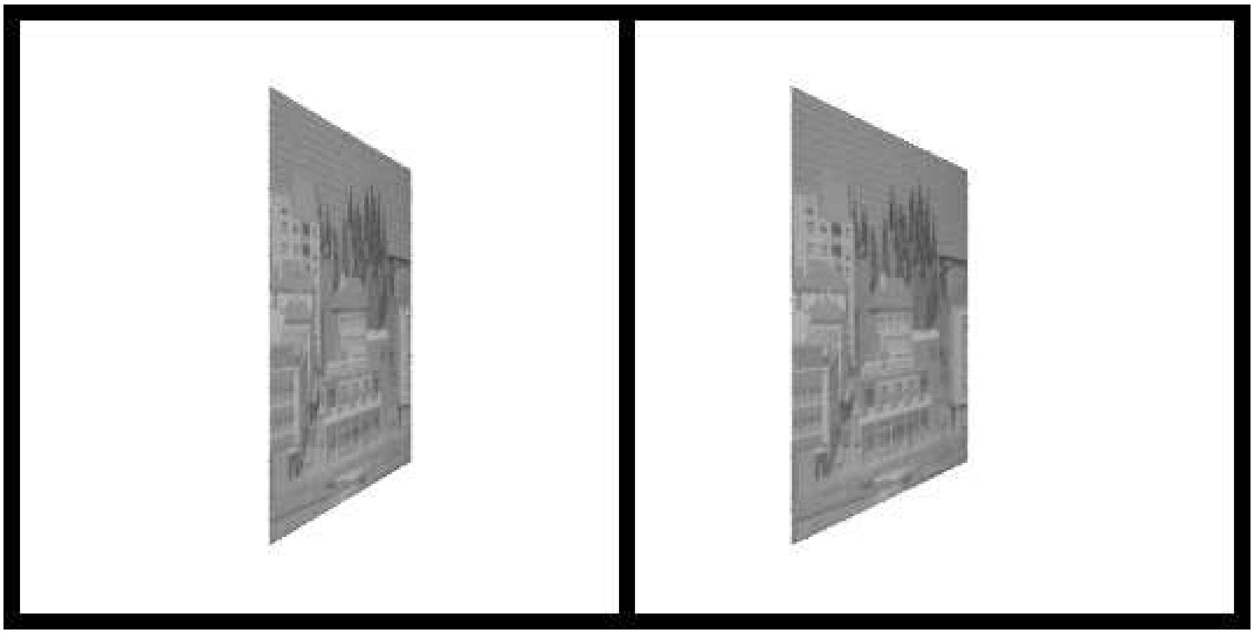

Figure 1: Stereo pair illustrating the effects of foreshortening; image compression, differing spatial extents.

3. The pseudocode from Table 2 in the Tech Report is missing the Ideal Phase Difference term $\Delta\phi_{ideal}(d, \lambda)$ in the *error* computation (the IROS'95 table is correct):

Given: A pair of greyscale images, lists of potential disparities and surface angles, and focal length f.

For each row
    Compute Left and Right Scalograms L and R
    For each column c
        For each disparity d
            For each angle a
                $correction = 1 + \frac{d \tan a}{c \tan a - f}$
                $error = \sum_{\lambda:\rho(\lambda)>threshold} \rho_L(c, \lambda) \cdot |\Delta\phi_{ideal}(d, \lambda) - (\phi_L(c, \lambda) - \phi_R(c + d, \lambda \cdot correction))|_{2\pi}$
        Return d (and a) that yield minimum *error*

Table 2: Pseudocode for the foreshortening-corrected algorithm. Column index c must be zero in the center of the image.