Young's S-Stress:

(3-way 2-mode variant):

$$S-STRESS = \frac{1}{K}\sum_{k}^{K}\sum_{i}^{I}\sum_{>j}^{J}\frac{(d_{ijk}^{2} - d*_{ijk}^{2})^{2}}{\sum_{k}^{K}\sum_{i}^{I}\sum_{j}^{J} d*_{ijk}^{4}}$$

- where K is the number of "sources" in the 3rd way (or K=1 in case of 2W1M data)
- *d** are the fitted disparities.

Compare Kruskal's $Stress_1$:

$$STRESS_1 = \frac{1}{K}\sum_{k}^{K}\sum_{i}^{I}\sum_{>j}^{J}\frac{(d_{ijk} - d*_{ijk})^{2}}{\sum_{k}^{K}\sum_{i}^{I}\sum_{>j}^{J} d_{ijk}^{2}}$$