

# Sandbox Testing Latex

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## 1 Equation Test

Inline:  $\sigma_y = \sqrt{\sum_y P(Y = y) \cdot (y - \mu_y)^2}$

$$\Omega^{\max} = \exp(z^{\max}) \cdot (\Lambda^{\max})^{\alpha}$$

$$\sum_{i=0}^{\infty} a_i x^i \tag{1}$$

## 2 Citation Testing

Becker and Tomes (1986) is a paper on Human Capital.

## 3 URL Test

- Fan Wang Site
- Fan Wang Dynamic Asset Code Repository

## 4 Pandoc

### 4.1 Install and convert Tex to Word

For editing latex files in word.

1. install pandoc: Pandoc Site Installation Link
2. open up command line
3. *cd into where tex file is:* `cd C:/Users/fan/TeX4Econ/_other/pandoc`
4. *run this for tex to word:* `pandoc -s fansample.tex -o fansample.docx`

### 4.2 Convert from Tex to Word with bibliography

1. *run this for word to tex:* `pandoc -bibliography=fansample.bib -o fansample.docx fansample.tex`

### 4.3 Convert from back to Tex from Word

1. *run this for word to tex:* `pandoc -s fansample.docx -o fansampleBACK-DOCX.tex`

## References

Becker, Gary S, and Nigel Tomes. 1986. "Human Capital and the Rise and Fall of Families." *Journal of Labor Economics* 4 (3): S1–39. Accessed February 15, 2012. <http://ideas.repec.org/a/ucp/jlabec/v4y1986i3ps1-39.html>.