

## Errata in Olsson – Rosen: Industrial Automation

### Page 194

*Replace the line after eq (6.31) and eq (6.32) with:*

The failure rate  $f$  is defined as the number of failures per time unit. This means that there will be  $fT$  failures at an average during the time  $T$ . In other words, the *mean time between failures* (MTBF) is simply defined as

$$MTBF = \frac{T}{fT} = \frac{1}{f} \quad (6.32)$$

*Replace the line after eq (6.35) and eq (6.36) with:*

Similarly to the failure rate, the repair rate  $r$  is defined as the number of repairs that can be completed per time unit. During the time  $T$  there will be  $rT$  repairs completed, at an average. Thus, the *mean time to repair* (MTTR) is defined as

$$MTTR = \frac{T}{rT} = \frac{1}{r} \quad (6.36)$$