The absorber or receiver (flat plate or parabolic) must have high absorptance in the wavelength range below 2 micron, as the main solar spectrum is in this range. Collector Power Output: We combine the following terms and substitute, Q_{conv}+Q_{rad}=Q_{RC} Q_{ref}= \text{\tau \rho E A_{c}} [Q_{out}= \text{\tau E A_{c}} [Q_{out}]= \text{\tau E A_{c}} [Q_