Real-time scheduling of periodic tasks:

\[\rightarrow\] implementation issues

\[\rightarrow\] application-side complications

Terminator video: MPEG-1 compression

\[\rightarrow\] bursty (i.e., variable) encoded frame sizes
Not specific to MPEG:

→ e.g., H.261 video

→ ITU teleconferencing standard
Leads to bursty encoding time:

\[ \rightarrow \text{per-frame encoding time} \]

![Graph](image-url)

Implication for RMS or EDF scheduling:

- period \( T_i \) of real-time video application is fixed
- computation time \( C_i \) is variable