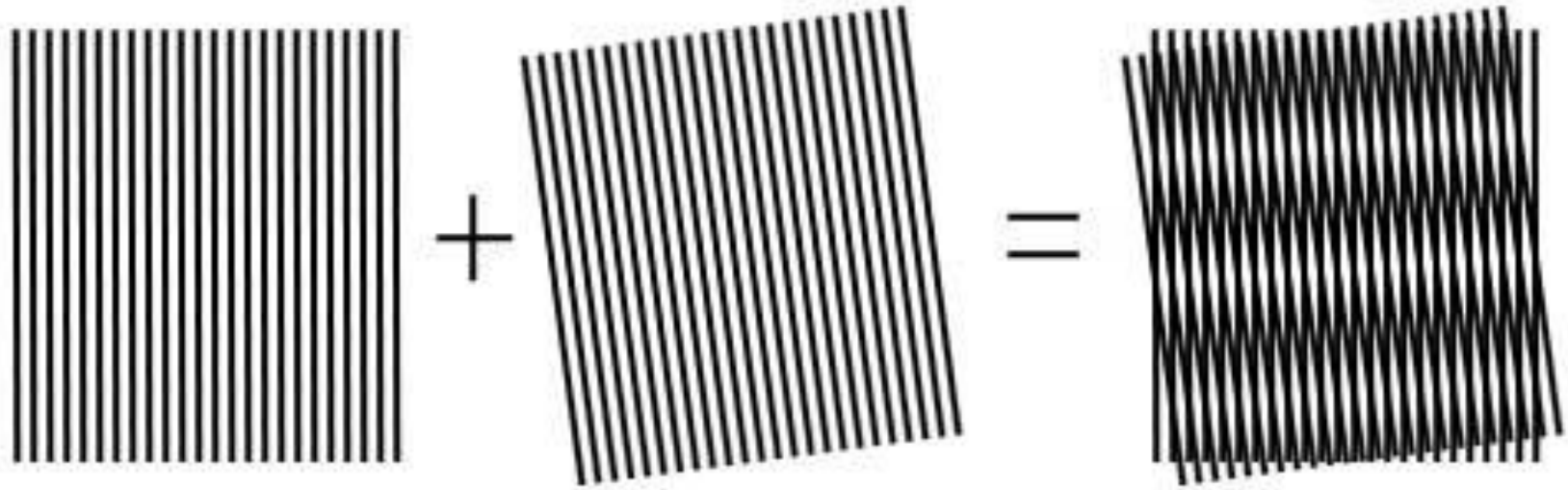
Industrial Automation
MKT4152

Analog Data Acquisition

Analog Data Acquisition

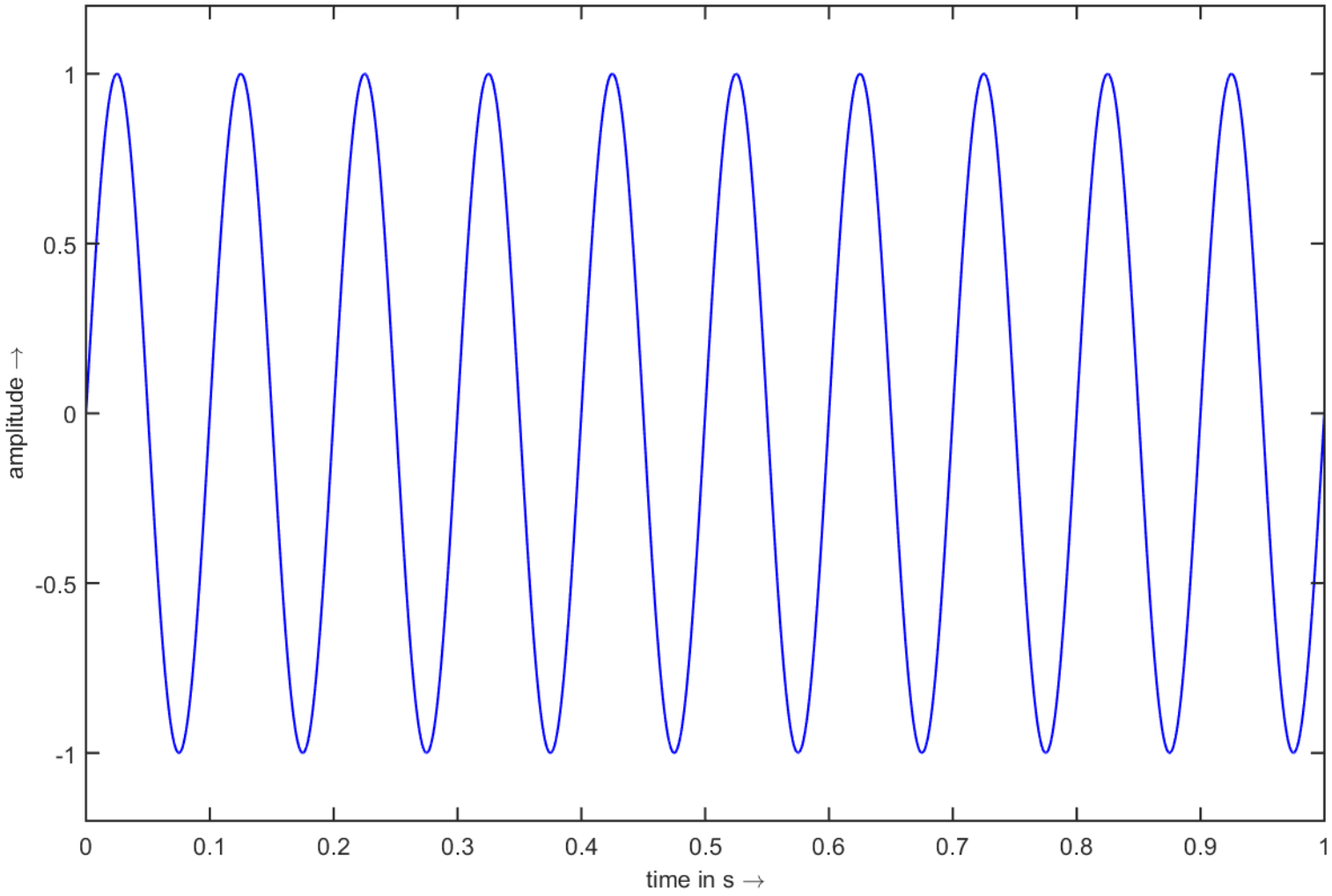
INSTRUMENTATION

Moiree-Effect



Aliasing Effect

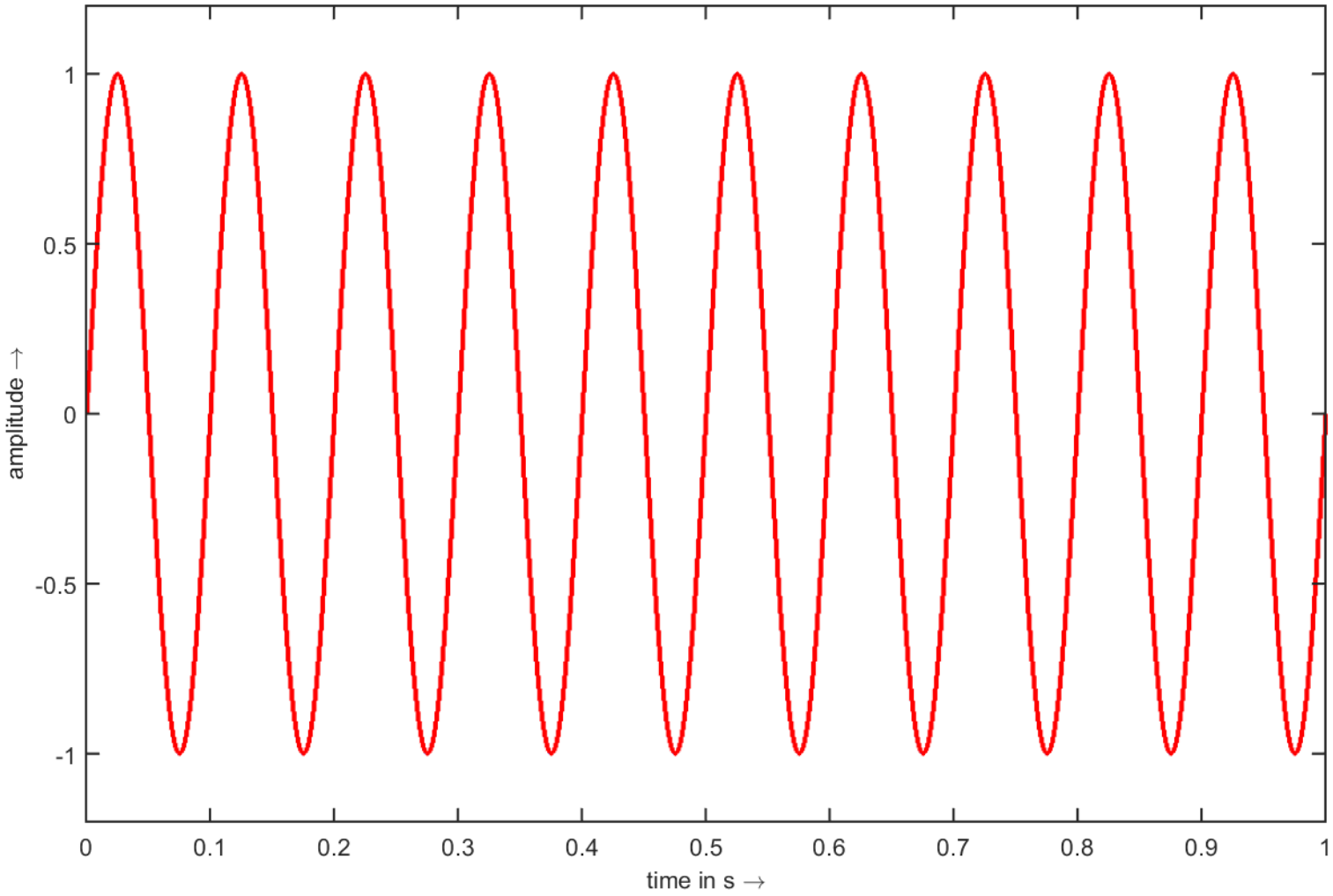
Analog signal with 10 Hz



Aliasing Effect

Analog signal with 10 Hz

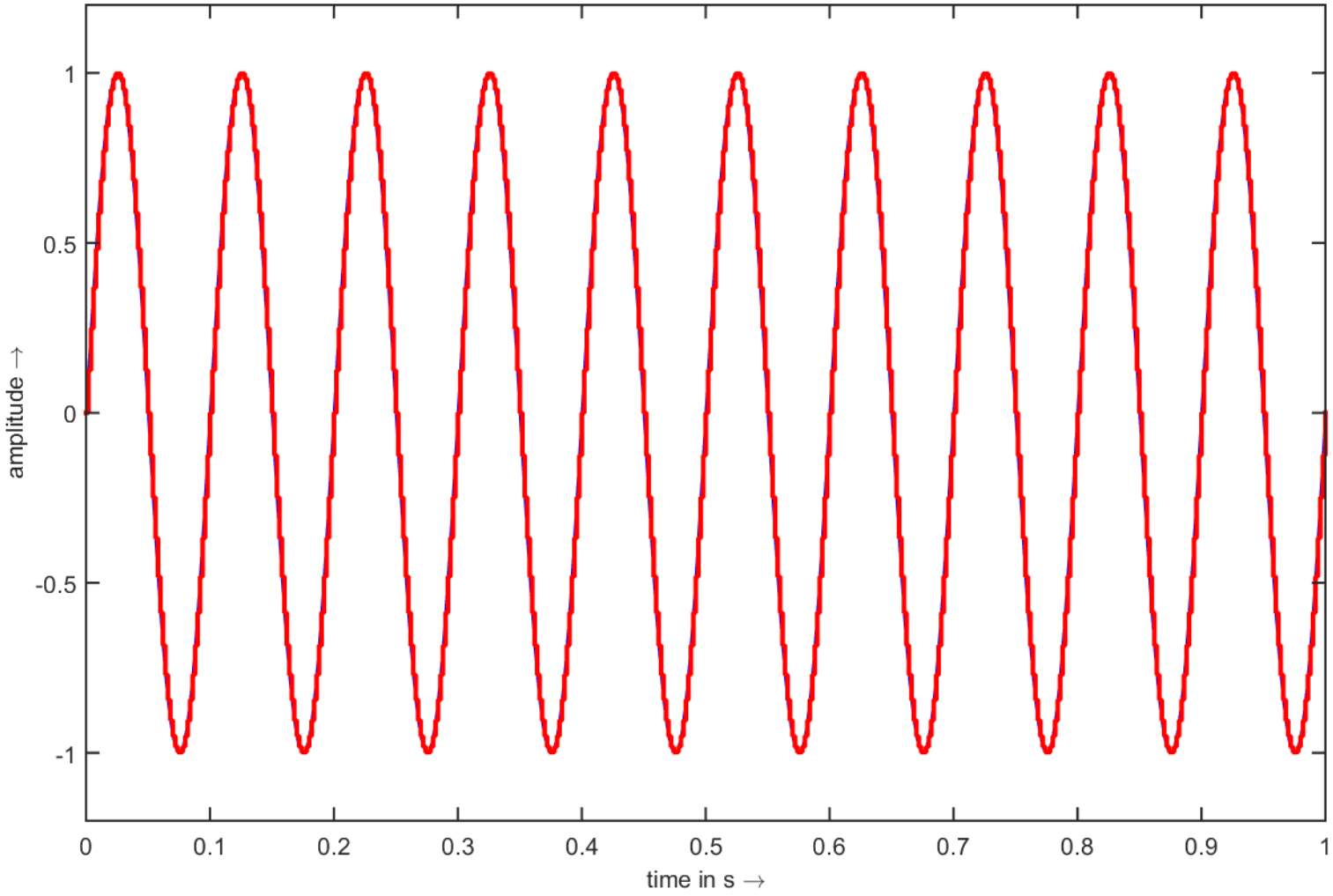
Sampling frequency: 1kHz



Aliasing Effect

Analog signal with 10 Hz

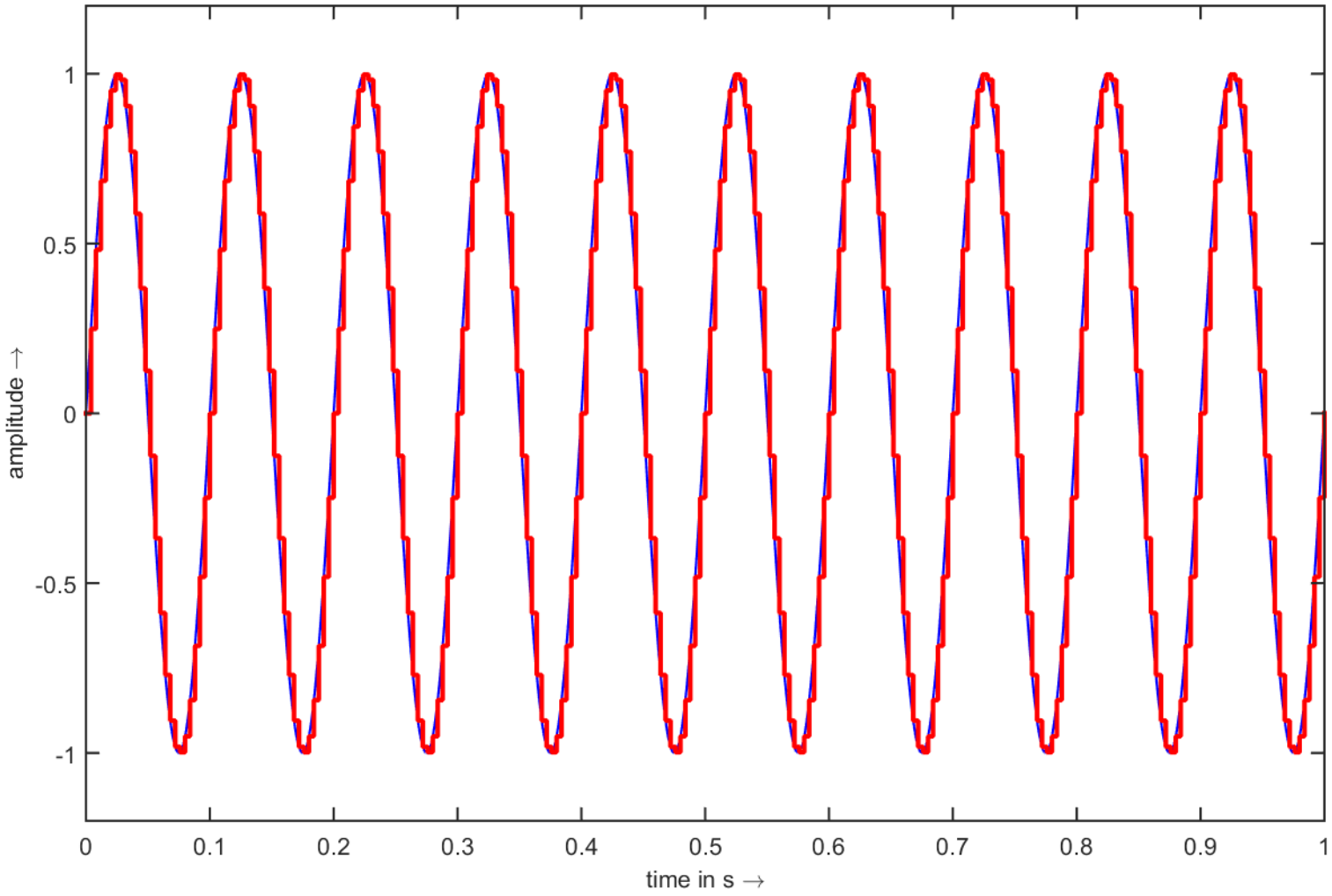
Sampling frequency: 500Hz



Aliasing Effect

Analog signal with 10 Hz

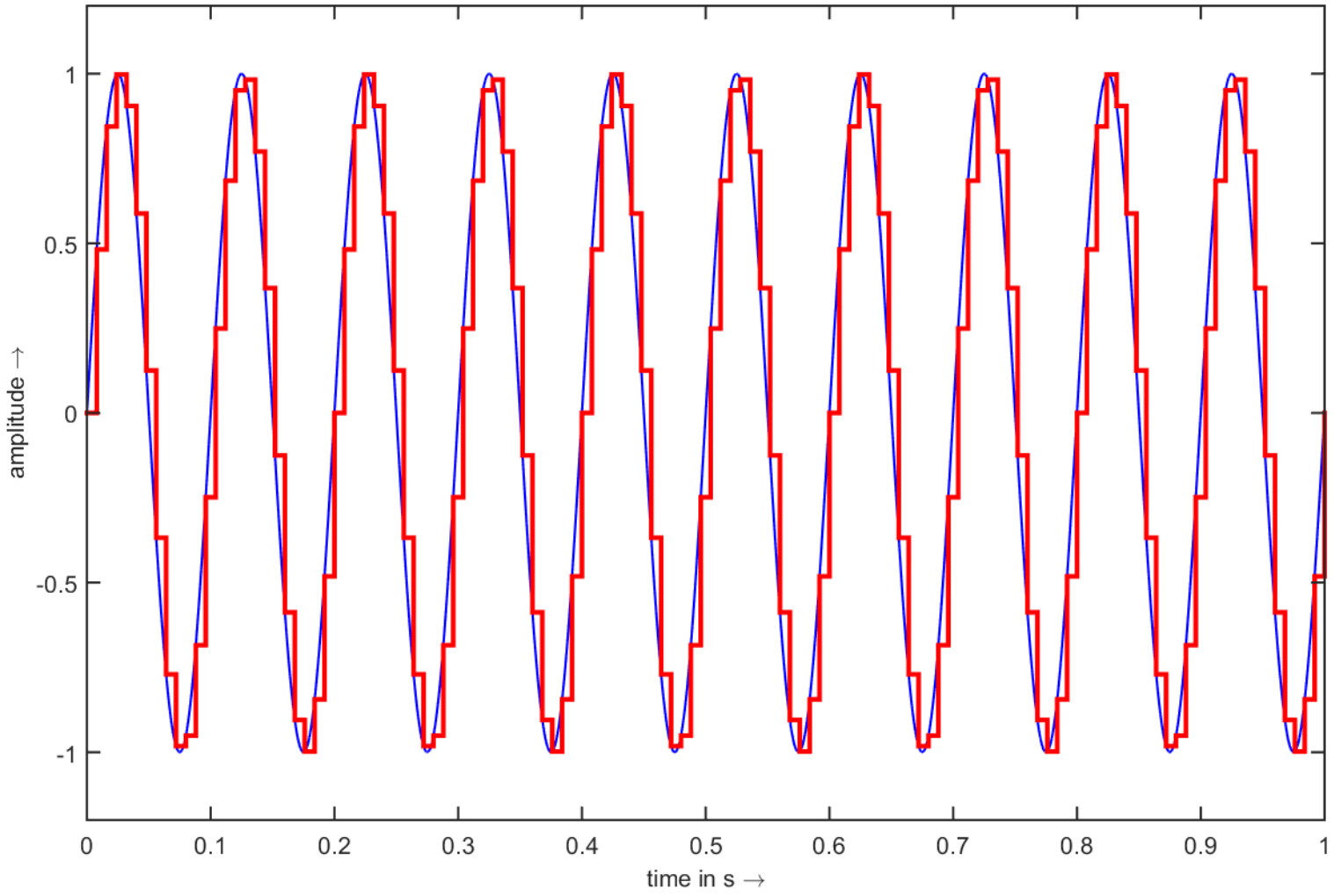
Sampling frequency: 250Hz



Aliasing Effect

Analog signal with 10 Hz

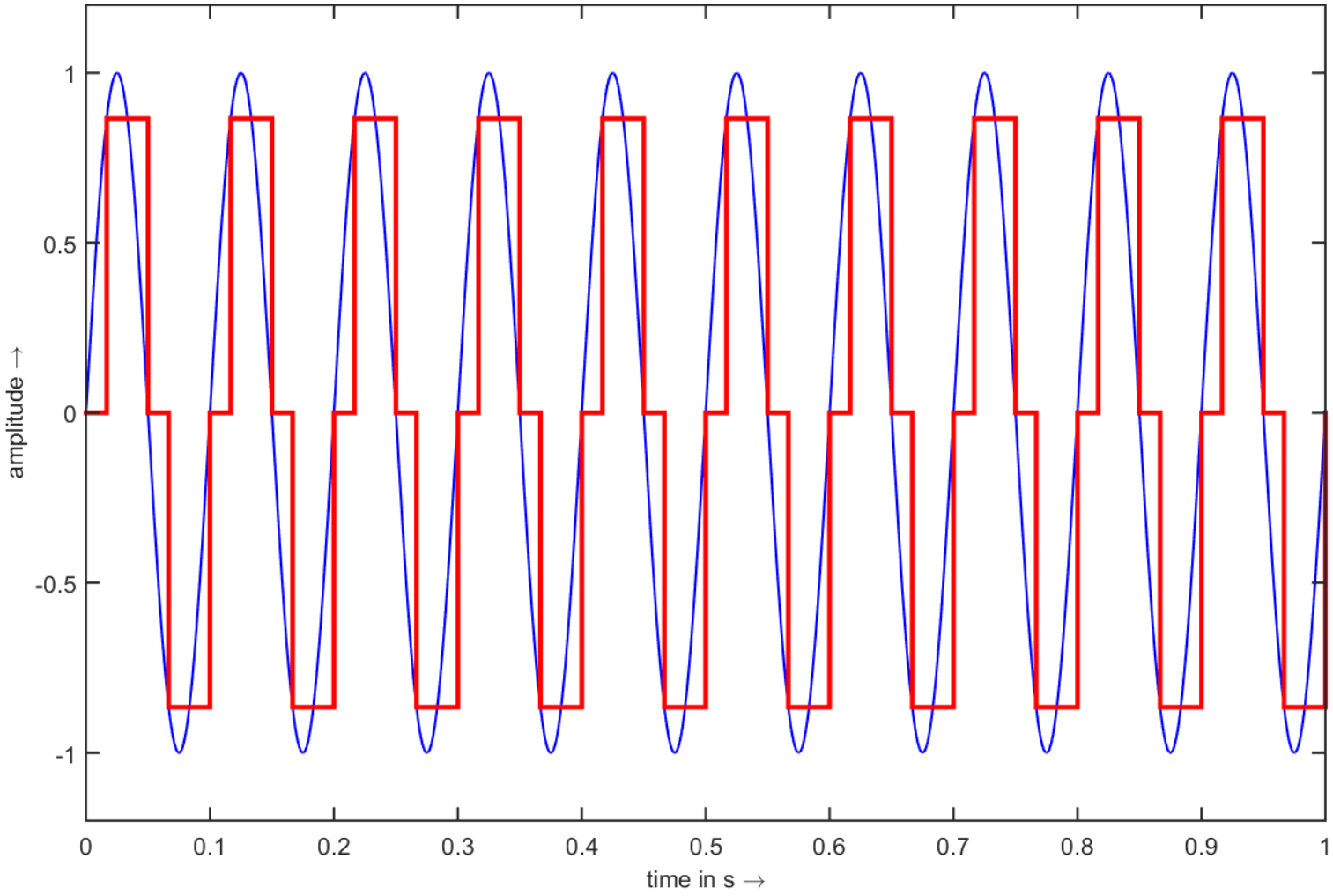
Sampling frequency: 125Hz



Aliasing Effect

Analog signal with 10 Hz

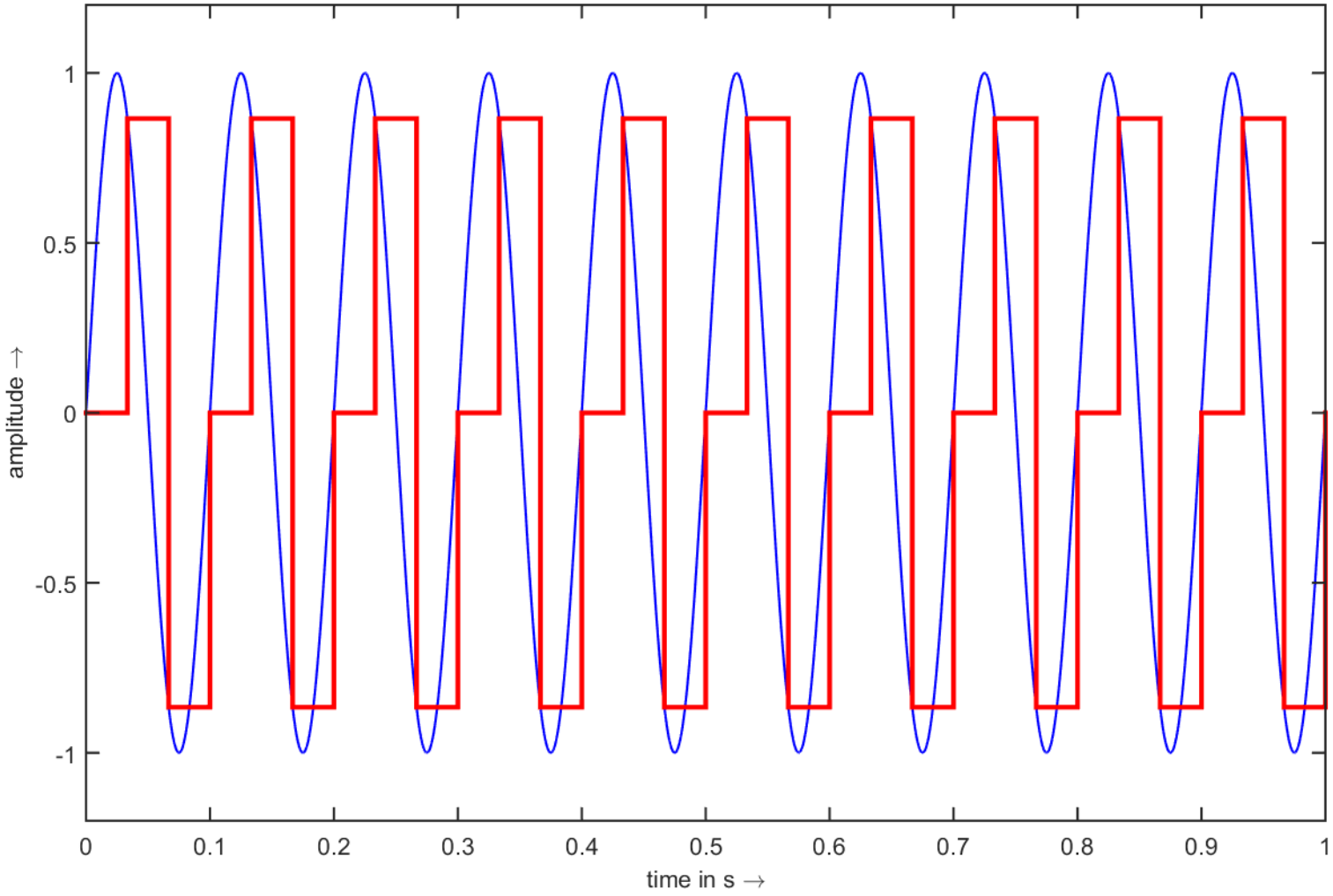
Sampling frequency: 60Hz



Aliasing Effect

Analog signal with 10 Hz

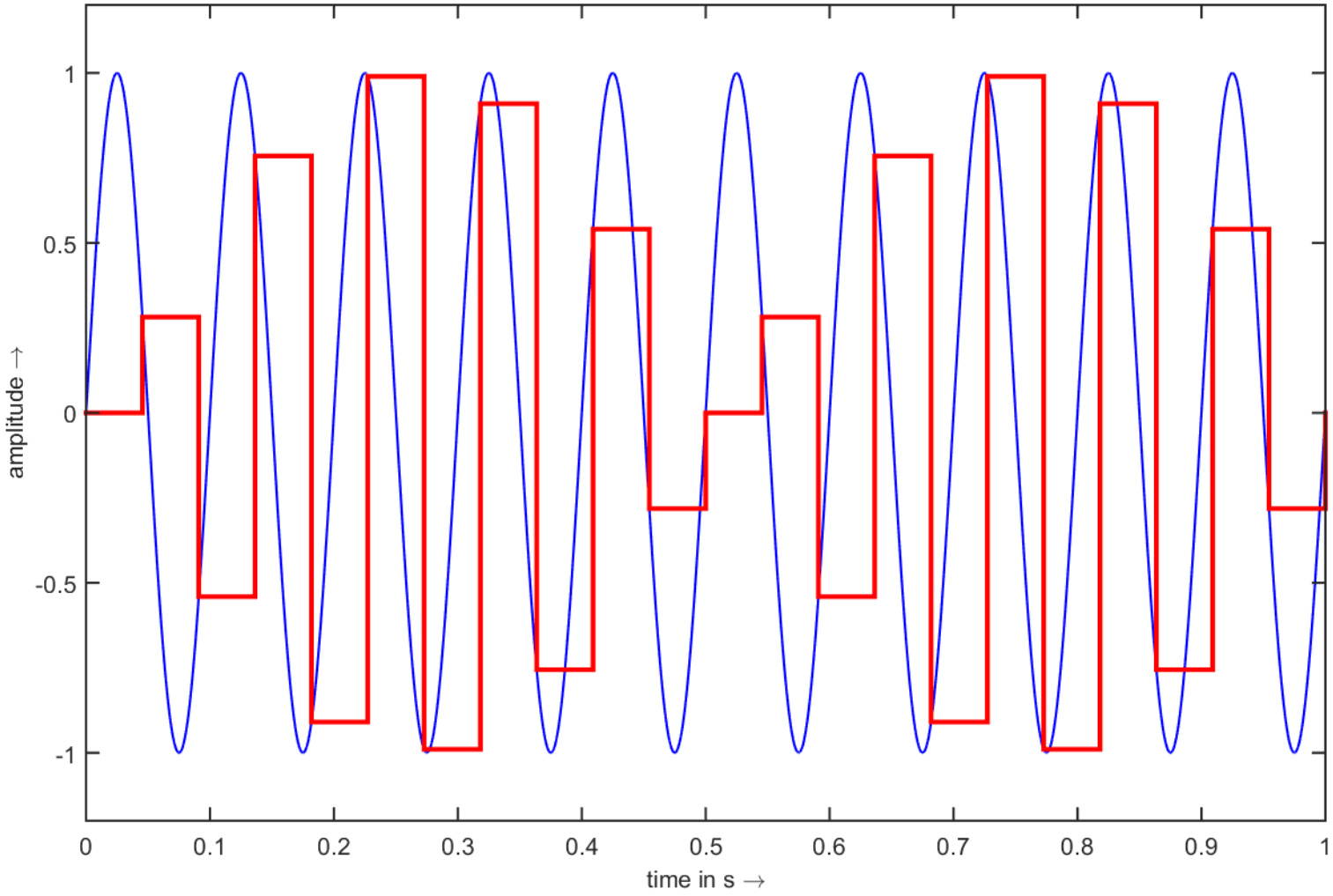
Sampling frequency: 30Hz



Aliasing Effect

Analog signal with 10 Hz

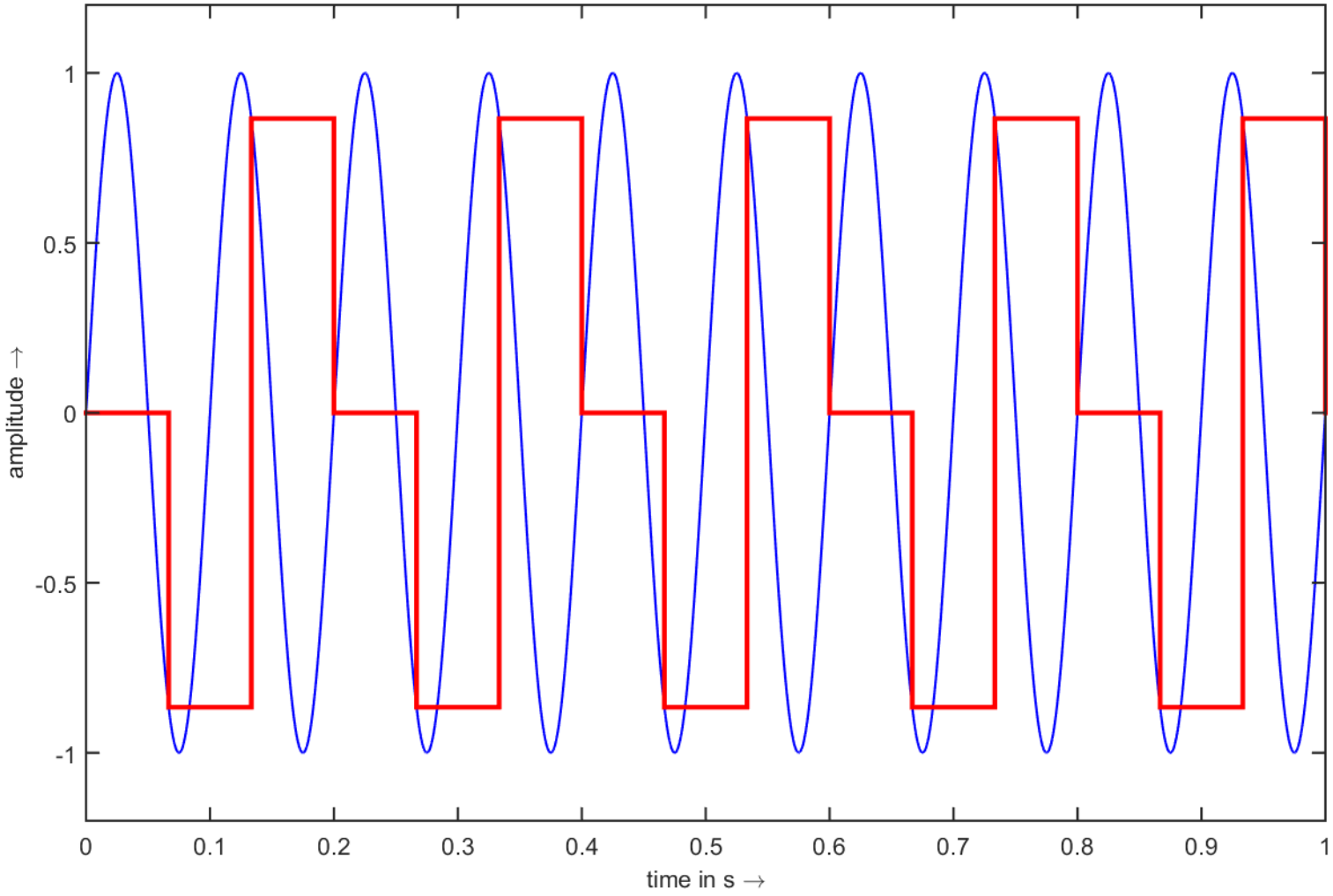
Sampling frequency: 22Hz



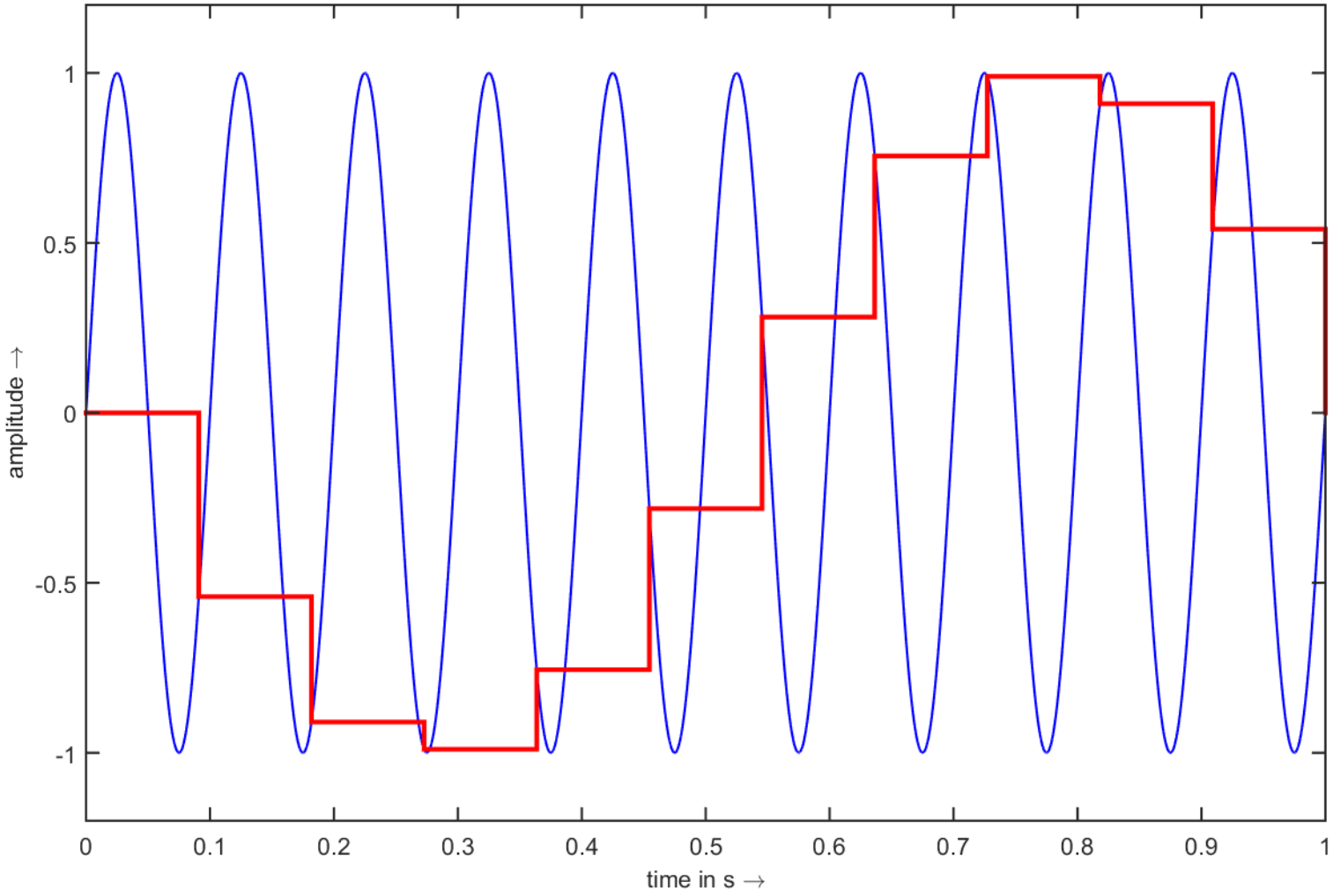
Aliasing Effect

Analog signal with 10 Hz

Sampling frequency: 15Hz



Aliasing Effect

Analog signal with 10 Hz

Sampling frequency: 11Hz