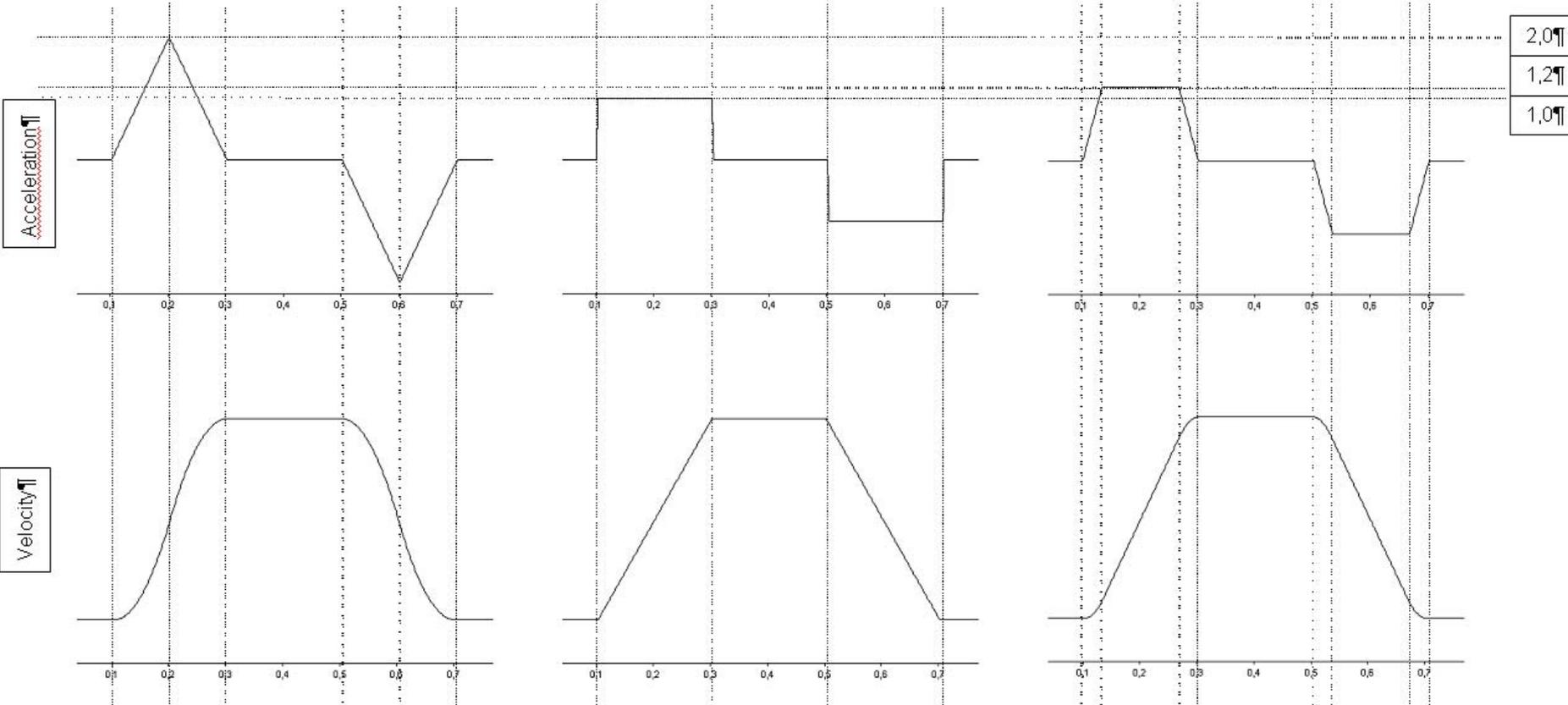


S-profile with the APCI-8001 / APCI-8008



JerkRel = 1

JerkRel = 0

Equal to parameter without S-profile

JerkRel = 0.2

Notes on the use / activation of the S-profile with the APCI-8001 / APCI-8008

- Can be used for all move and jog commands
- Activation of the S-profile through MODEREG register by setting bit 1
PCAP programming through DLL function `wrModeReg()`
SAP programming through system variable MODEREG
- Writing the parameter *jerkrel*
PCAP programming through DLL function `wrJerkRel()`
SAP programming through assignment to the axis qualifier *jerkrel*
- **Note:** With interpolation commands, the parameter *jerkrel* should be equal for all axes involved because otherwise, path accuracy is not ensured.
In case of a cyclic call of traverse profiles, it should be noted that the acceleration is increased from 0 at each start of the traverse profile. Therefore, it is possible that the value of the average acceleration is much lower than the value of the programmed (and maybe also intended) acceleration.