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SUBROUTINE PitchCntrl ( BlPitch, ElecPwr, HSS_Spd, GBRatio, TwrAccel, NumBl, &
                      ZTime, DT, DirRoot, BlPitchCom_out )

    ! This pitch control routine was written by Eric Anderson of UC Davis. It is based
    ! on the baseline NREL 5MW pitch control scheme outlined in the NREL 5MW
    ! specifications with the addition the derating scheme outlined in Eric's
    ! dissertaion. Derating isachieved by using subroutine ControlParameters() to scale
    ! relevant control parameters.

USE                                precision
USE                                EAControl    ! contains variables: TimeDRStart,
TimeDREnd, DerateFactor, TEmShutdown, maxOverspeed, EmergencyShutdown, GenSpeedF,
PC_RefSpd, PC_MinPit, VS_Rgn2_K, and VS_RtPwr. See EAControl module in FAST_Mods.f90
for variable descriptions.

IMPLICIT                           NONE

    ! Passed variables:

INTEGER(4), INTENT(IN )           :: NumBl                ! Number of blades, (-).
REAL(ReKi), INTENT(IN )          :: BlPitch    (NumBl)    ! Current values of the blade
pitch angles, rad.

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