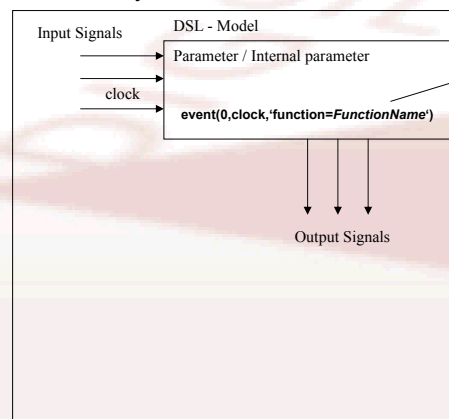


Link to an external event driven C/C++ function

Fixed Date2/2/2006

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PowerFactory



digexdyn.dll

FunctionName(tEvent,output,parameter, ...)
 FunctionName2(tEvent,output,parameter, ...)
 FunctionName3(tEvent,output,parameter, ...)
 FunctionName4(tEvent,output,parameter, ...)

- Parameter/internal parameter can be set
- receives interpolated output signals
- Userdefined message to the PowerFactory output window
- Definition of PowerFactory events

Fixed Date2/2/2006

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C / C++ Interface

```
void __cdecl function( double tEvent, double** dParams, const double** dOuts,
                     const double** dIntSigs, char** eventstr, char* msg,
                     int nParams, int nOuts, int nIntSigs)
```

double tEvent	: event calling time in seconds (simulation time)
double** dParams	: parameter array (includes parameter and internal parameter, sorted by name)
const double** dOuts	: output signal array (interpolated values), values cannot be modified
const double** dIntSigs	: not used (NULL), used for future extensions
char** eventstr	: char*[5] max. five event strings can be define e.g. "create=EvtParam name=Test Target=this" max. event string length char[100]
char* msg	: event message string for output a PCL message in the PowerFactory output window
int nParams	: no of parameters
int nOuts	: no of outputs
int nIntSigs	: not used, used for future extensions ...

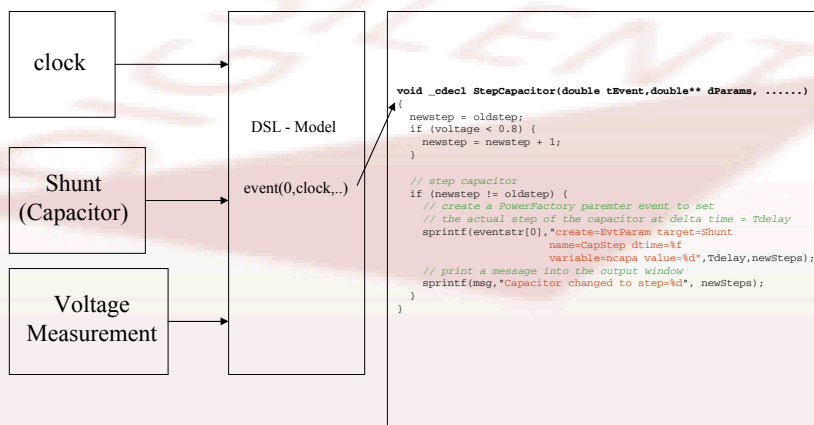
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Example

PowerFactory

digexdyn.dll (C/C++ code)



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