

# ASPEN OneLiner

## Version 11.4 Update

Please find enclosed the installation CD for *ASPEN OneLiner*<sup>TM</sup> version 11.4. This maintenance release contains fixes for all known bugs to date.

You can run `\11pf\setup.exe` on this CD to create a new installation or to update an existing *OneLiner* installation.

Please write (support@aspeninc.com in English or scayres@aspeninc.com in Spanish or Portuguese) or call (650-347-3997) us if you have questions.

### New features and improvements

- **Per-unit output option** for Bus Fault Summary and Line End/Out Fault Summary commands.
- **Ground mat current calculator:** When an equivalent generator is encountered during ground current calculation, the program asks the user if he wants to exclude the generator ground current from the total.
- **Fault solution report in CSV format** now clearly shows that all complex numbers in the report are in rectangular form.
- **New PowerScript functions for Voltage drop study:** Users can now use functions `DoVS()` and `GetVSVoltage()` in script programs to carry out customized voltage drops studies.

### Bug fixes since version 11.3

- There were typos in setting labels of distance relay type SEL-321P\_\_, SEL-311P\_\_ and SEL-421P\_\_.
- The Delete Recloser command in the Relay Group Properties dialog and the Display Recloser table in the Data Browser caused the program to crash.
- Transformer damage curve linked to a relay curve did not display correctly when the relay current is zero.
- The Copy command did not capture relay group parameters: Memo, Tags and Breaker interrupting time.
- The case comparison program failed when reading OLR files that contains large number of buses.
- The Instantaneous relay setting 'Always flat' did not work in some cases, which led to incorrect relay operation time report.