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Pattern analysis V

Pattern operations

Click the **Pattern operation** button  and the following window appears:

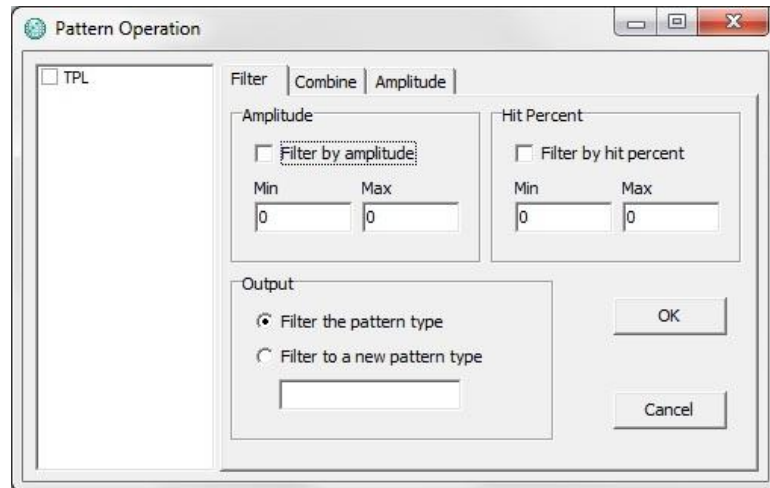


Figure 1 Pattern Operation

The window on the left lists the Pattern types. Only the checked patterns will be used.

Filter

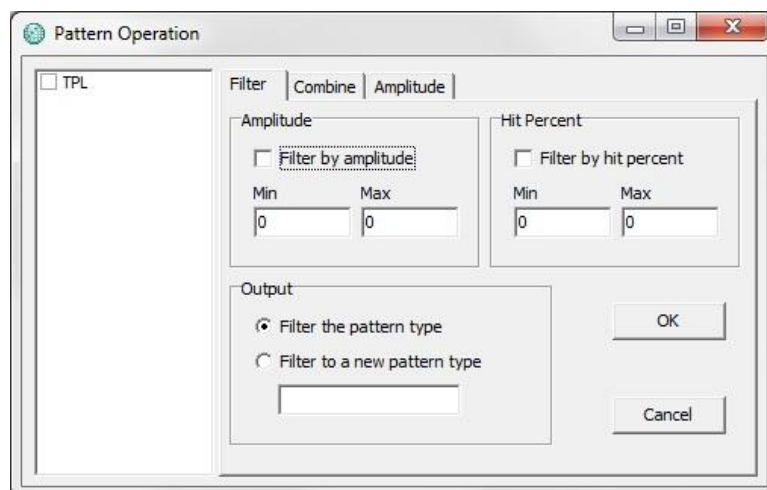


Figure 2 Filter

Amplitude: Check **Filter by amplitude** to use this option. The values must be within the defined range.

Hit percent: Check **Filter by hit percent** to use this option. The values must be within the defined range.

Output

Filter the pattern type: All pattern occurrences outside the filter are removed.

Filter to a new pattern type: All pattern occurrences within the range are included in a new pattern type. Insert a name for the new type.

Combine

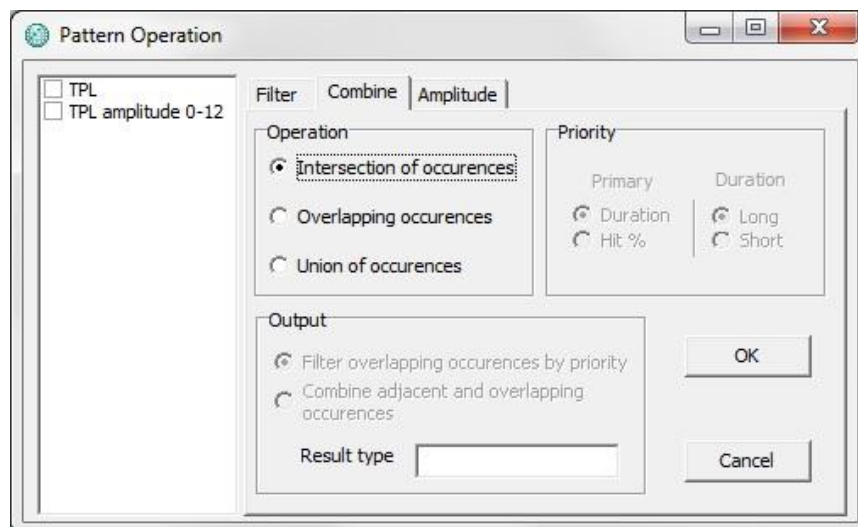


Figure 3 Combine: Intersection of occurrences

Operation

Intersection of occurrences: Check this option to find intersecting occurrences. A new pattern type with all the intersecting occurrences is created.

Overlapping occurrences: Check this option to find overlapping occurrences. The resulting pattern types cannot intersect.

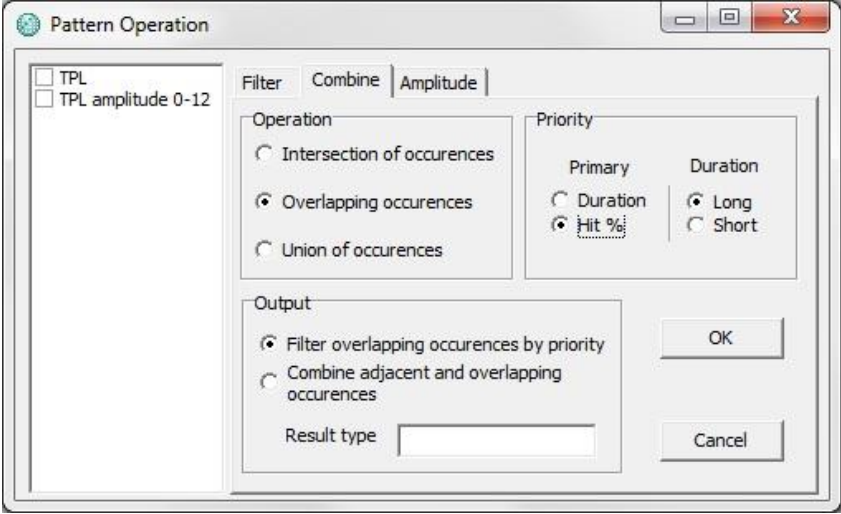


Figure 4 Overlapping of occurrences

Priority: There are two filters. The user needs to select which one is primary. **Duration** filters the overlapping pattern occurrences by length. **Hit %** filters the overlapping pattern occurrences with the higher hit percentage.

Check **Filter overlapping occurrences by priority** in **Output** to activate the **Priority** option.

By checking **Combine adjacent and overlapping occurrences** in **Output** all the overlapping occurrences will be combined into a single occurrence.

Union of occurrences: Finds all occurrences. The resulting pattern types cannot intersect. **Priority** works the same.

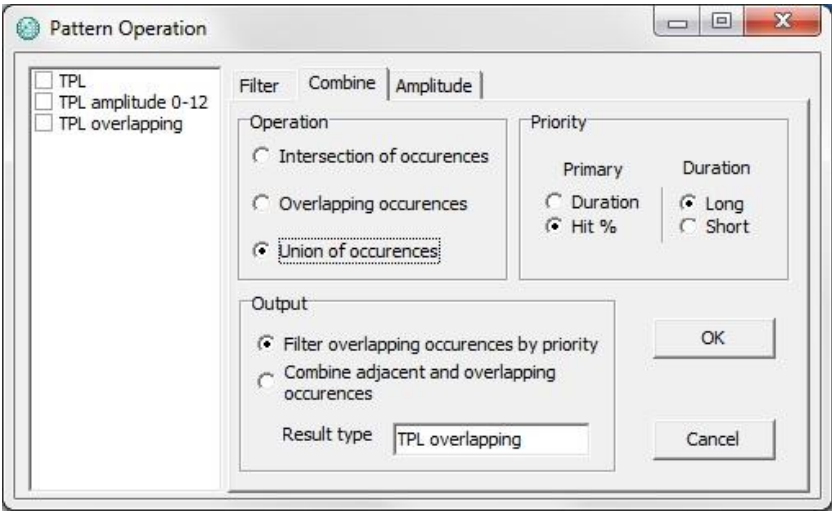


Figure 5 Union of occurrences

Amplitude

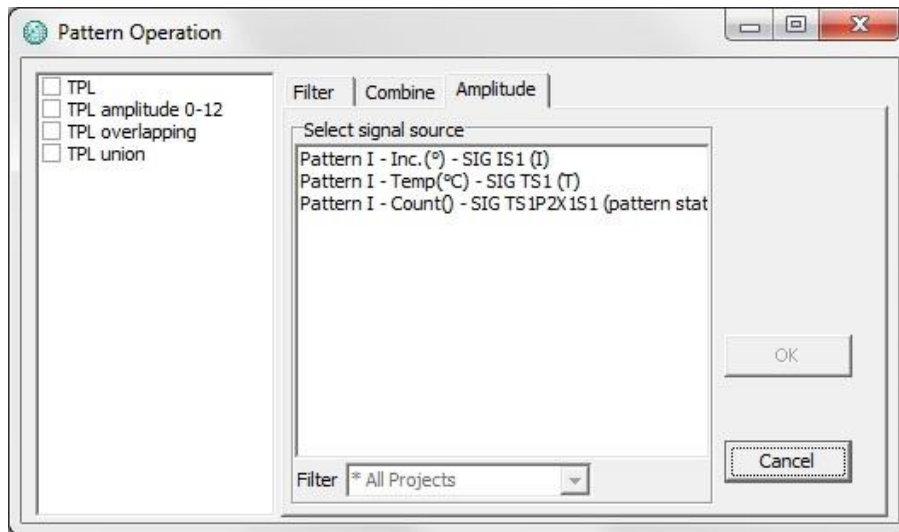


Figure 6 Amplitude

Amplitude recalculates the amplitude using a new source. Select the pattern types you want to recalculate and choose the signal source.

Note that only overlapping values are recalculated.

Figure 7 shows the final results after all the operations have been performed.

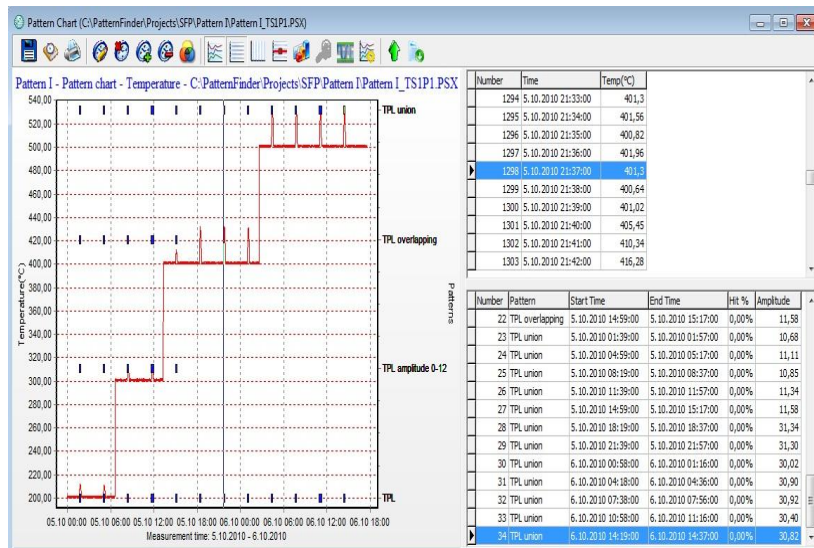


Figure 7 Final chart