

Tables 1 and 2 below summarize *compare* weights and *match* thresholds that we used in our experiments. These can be used as a starting point for tuning the values in any future applications of our approach, unless additional domain specific information that can help set up the values is provided.

**Table 1.** Weights  $\mathbb{W}$  Used by *Compare* [1–3].

Element (Class) Weight	Element (Statechart) Weight
$w_{\text{Name}}$ 0.2	$w_{\text{StateName}}$ 0.2
$w_{\text{Attribute}}$ 0.1	$w_{\text{StateType}}$ 0.05
$w_{\text{Operation}}$ 0.1	$w_{\text{StateDepth}}$ 0.1
$w_{\text{GenTarget}}$ 0.1	$w_{\text{StateActions}}$ 0.3
$w_{\text{Behavior}}$ 0.5	$w_{\text{Transition}}$ 0.35

**Table 2.** Thresholds  $\mathbb{S}$  Used by *Match*.

Element	Threshold	Element	Threshold
$S_{\text{Class}}$ 0.6		$S_{\text{State}}$ 0.8	
$S_{\text{Attribute}}$ 0.5		$S_{\text{Transition}}$ 0.5	
$S_{\text{Operation}}$ 0.5		$S_{\text{OpaqueBehavior}}$ 1	
$S_{\text{Statechart}}$ 0.8		$S_{\text{String}}$ 1	

## References

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2. S. Nejati, M. Sabetzadeh, M. Chechik, S. Easterbrook, and P. Zave. Matching and Merging of Statecharts Specifications. In *Proc. of ICSE’07*, pages 54–64, 2007.
3. Z. Xing and E. Stroulia. UMLDiff: an Algorithm for Object-Oriented Design Differencing. In *Proc. of ASE’05*, pages 54–65, 2005.