Hakusan v0.5 (Shintani & Hirokawa, JAIST)

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Definition

$\mathbf{P}$ is compositional confluence criterion if for all TRSs $\mathcal{R}$ and $\mathcal{C}$ with $\mathcal{C} \subseteq \mathcal{R}$:

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Hakusan repeatedly uses compositional variants of two criteria:

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- critical pair systems (next slide) (Hirokawa and Middeldorp 2011)

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Note

- Hakusan only deals with **left-linear** TRSs
- it only supports two methods but it is quite powerful