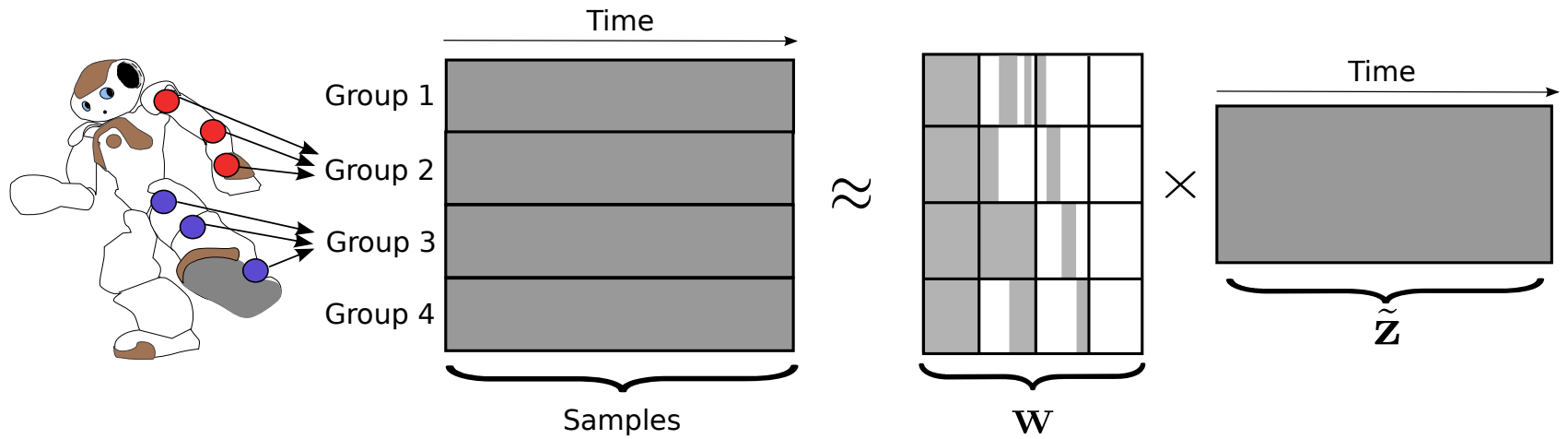
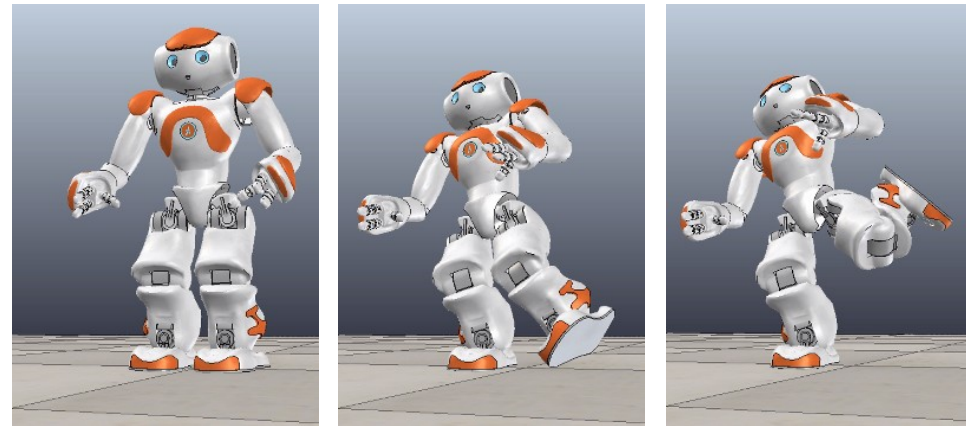


Sparse Latent Space Policy Search

Kevin Sebastian Luck, Joni Pajarinen, Erik Berger, Ville Kyrki, Heni Ben Amor



How can we use structural knowledge for latent Policy Search?



Sparse Latent Space Policy Search

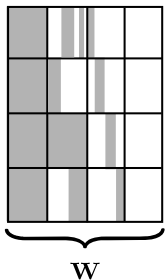
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Group Factor Analysis
+
Policy Search

Variational Bayes
=====

GrouPS
(Group Factor Policy Search)

Unifying GFA and PS in **one** framework



$$\bullet \quad p(\mathbf{W}|\alpha) = \prod_{m=1}^M \prod_{k=1}^K \prod_{d=1}^{D_m} \mathcal{N}\left(\mathbf{w}_{d,k}^{(m)} \mid \mathbf{0}, \alpha_{m,k}^{-1}\right)$$

contains structural information

Klami, Arto, et al. "Group Factor Analysis." (2014)