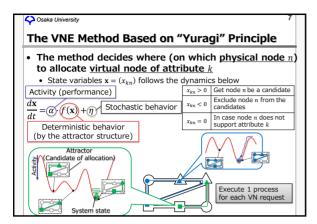
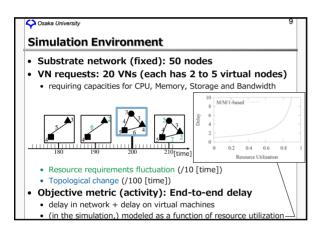
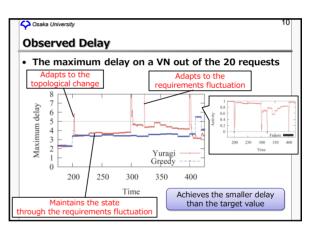


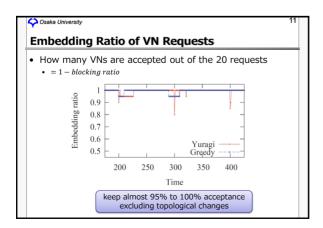
urpose & Ap	oproach	
Purpose of th	is research	
 The method 		rge and uncertain SDI frameworks prmation to achieve scalability anges
Approach		
	5	pology control method ^[7]
 The method 		ng a small perturbation pility to environmental fluctuations ptical networks
 Various matte 	rs must be conside	ered for SDI frameworks
 <u>Node attribu</u> Computing point VN multiples etc. 	performance on serv	Node attribute: specific requirement of virtual nc ex) OS, RAID types ex) for computing, for storage

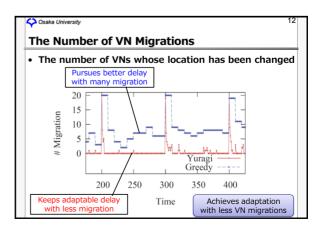


Eval	uation
• Eva	luation measures
• A	daptability of Yuragi-based method
	Whether the method achieves performance objective
• A	cceptance ratio of VN requests
• T	he number of VN migration
• A b	enchmark of the performance
• G	reedy algorithm ^[11] : one of the heuristic VNE methods
	 aims to minimize utilization of node and link resources
	 embeds VM to the node with the most available resource
• Cor	nparison of information which needs gathering
Yuragi	Observed delay on the single VN
Greedy	Resource utilization of both nodes and links over the substrate network Observed delay on the all VNs









🔷 Osaka University

Conclusion and Future Work

- Work done
 - Presented <u>a VNE method based on Yuragi principle</u>
 The method decides the mapping of virtual node by attractor selection
 - Simulation results show the adaptability of the method
 The method achieves small delay with less VN migration
- Future work
 - To execute more evaluation with different situation
 - Various delay modelsVarious topologies
 - Other objective metrics
 - Larger networks
 - To investigate a method of constructing the attractor structure
 Better attractor structure will improve the convergence time and some performance