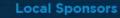




CERTIFICATE

We certify that **João Pereira** participated in an delivered the mini-course entitled **"Optimization methods for tensor factorizations"** at the **1st Carioca Workshop in Optimization and Applications – CariOPT 202** held at School of Applied Mathematics of Getulio Vargas Foundation - FGV EMAp, Rio de Janeiro, from May 05 to May 07, 2025.





Philip Thompson Local Organizer