

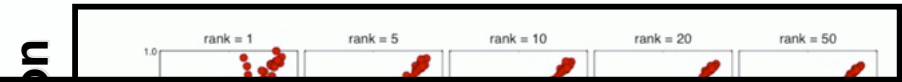
Q5: Are we confident that quantum spin microscopy will work?

A5.8: QMOR enables the “virtual rollouts” that are vital to modern industry

- For realistic molecular imaging, each spin effectively has ~30 quantum dynamical degrees of freedom

complex degrees of freedom per spin

1 5 10 20 30

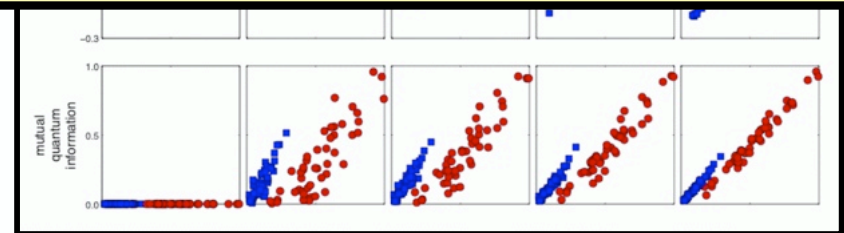


QMOR enables virtual rollouts for emerging quantum industries: “invest and build with confidence”

combustion theory, control theory

- Large-scale MOR + virtual rollouts are vital to present industrial strategy: *aircraft, power generators, machine tools, jet engines, automobiles, VLSI*
- Large-scale QMOR + virtual rollouts are vital to future industrial strategy: *quantum microscopy, spintronics, smart materials, pharmaceuticals, actionable WMD biointelligence*

Quantum



All-orders quantum calculation

