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(57) Abstract :

The invention relates to a digital periodic table console (10) featuring a touchscreen interface (12), a reaction simulation module (14), and a data processor (16) with AI capabilities. It provides real-time visualization of element properties, 3D atomic structures, and reaction pathways. Equipped with a haptic feedback mechanism (18) and cloud connectivity (20), it enhances learning by simulating chemical interactions under adjustable conditions. The console (10) offers interactive education, safe experimentation, and updated chemical databases, serving as a comprehensive platform for students, researchers, and educators.

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