NSIGII / MMUKO-OS TRIDENT PROTOCOL VISUALIZER

"No perfect schematic diagram unless your proof with 95.4% aura-seal coherence."

This interactive visualization implements the **NSIGII Trinary Verification Protocol** and the **MMUKO-OS Boot Sequence** concept on an HTML5 Canvas. It uses a custom `PixelBuffer` for entropic noise generation and `Vector` math for the kinematic alignment of the boot nodes.

🟢 The Mission

MMUKO-OS is a "Neurodivergent Digital Constitution." This tool demonstrates the **"Log In"** mechanism to the metaphysical operating space (MMUKO). It is not a password; it is a **Signal Path** traced through alignment and breath.

🕹️ How to Operate

The screen represents the **Ring-Zone Topology**. To boot the system (verify the protocol), you must align the three Trident Nodes to their constitutional positions.

1. **Observe the Static:** The background noise represents the "Sparse" state (entropy). It must be stabilized.
2. **Align the Nodes:** Click and drag the three colored circles (P1, P2, P3) along the ring.
    - **P1 (IDENTITY - Copper):** Move to **East** (Right, 0°).
    - **P2 (DEVICE - Bronze):** Move to **South-West** (~225°).
    - **P3 (TIME - Gold):** Move to **North-West** (~315°).
3. **Achieve Coherence:** Watch the "COHERENCE" metric.
    - **< 60%:** SPARSE State (High Noise).
    - **60% - 95.3%:** ACTIVE State (Resolving).
    - **> 95.4%: VERIFIED** (Green Signal, Aura Sealed).

🛠️ Technical Implementation

Per the NSIGII specification, this application is built as a single-file "Immersive" containing:

- **PixelBuffer.js (Inlined):** Handles the low-level bitwise operations to generate the "Aura Seal" noise field without webGL.
- **Vector.js (Inlined):** Manages the 2D kinematics of the node alignment and the Trident signal vectors.

- **NSIGII Logic:** Implements the `YES (0x55)`, `NO (0xAA)`, and `MAYBE (0x00)` state machine based on the angular delta of the user's input.

🎨 Design System

- **Background:** `#2C2A28` (Warm Dark Earth)
- **Primary:** `#D48C45` (Vibrant Copper - Digital Skin)
- **Status YES:** `#00FF41` (Terminal Green)

Credits

Based on the schematic expression and philosophy of **Nnamdi Michael Okpala** (OBINEXUS).

- *Protocol:* NSIGII Trinary Verification
- *OS Architecture:* MMLIKO-OS