```jsx
import React, { useState, useEffect, useRef } from 'react';
import { LineChart, Line, XAxis, YAxis, CartesianGrid, Tooltip,
Legend, ResponsiveContainer, ScatterChart, Scatter, AreaChart,
Area, BarChart, Bar, PieChart, Pie, Cell, RadarChart, PolarGrid,
PolarAngleAxis, PolarRadiusAxis } from 'recharts';
import { Brain, Shield, AlertTriangle, Zap, TrendingUp,
Activity, Eye, Target, Globe, Languages, GitBranch, Compass,
Layers, Network } from 'lucide-react';

const CrossLingualKompromatEngine = () => {
  const [activeTab, setActiveTab] = useState('overview');
  const [selectedEvent, setSelectedEvent] =
useState('ukraine_conflict');
  const [timeRange, setTimeRange] = useState('6months');
  const [divergenceThreshold, setDivergenceThreshold] =
useState(0.6);
  const [languagePair, setLanguagePair] = useState('en-ru');

  // Sample data representing cross-lingual narrative analysis
  const geopoliticalEvents = {
    ukraine_conflict: {
      name: "Ukraine Conflict Coverage",
      period: "2022-2024",
      western_sources: ["BBC", "CNN", "Reuters", "Le Monde",
"Der Spiegel"],
      brics_sources: ["RT", "Xinhua", "TASS", "Folha", "Al
Jazeera"],
      narrative_divergence: [
        {
          date: '2022-02',
          western_kri: 0.23,
          brics_kri: 0.67,
          divergence_delta: 0.44,
          semantic_drift: 0.78,
          sentiment_inversion: 0.82,
          archetype_shift: 0.71,
          event: 'Conflict initiation'
        },
        {
          date: '2022-04',
          western_kri: 0.28,
```

```
          brics_kri: 0.73,
          divergence_delta: 0.45,
          semantic_drift: 0.81,
          sentiment_inversion: 0.85,
          archetype_shift: 0.74,
          event: 'Bucha reports'
      },
      {
          date: '2022-06',
          western_kri: 0.31,
          brics_kri: 0.79,
          divergence_delta: 0.48,
          semantic_drift: 0.83,
          sentiment_inversion: 0.87,
          archetype_shift: 0.76,
          event: 'Grain corridor'
      },
      {
          date: '2022-09',
          western_kri: 0.26,
          brics_kri: 0.84,
          divergence_delta: 0.58,
          semantic_drift: 0.89,
          sentiment_inversion: 0.91,
          archetype_shift: 0.82,
          event: 'Mobilization announced'
      },
      {
          date: '2023-02',
          western_kri: 0.29,
          brics_kri: 0.81,
          divergence_delta: 0.52,
          semantic_drift: 0.85,
          sentiment_inversion: 0.88,
          archetype_shift: 0.78,
          event: 'Anniversary coverage'
      },
      {
          date: '2023-06',
          western_kri: 0.32,
          brics_kri: 0.86,
```

```javascript
                divergence_delta: 0.54,
                semantic_drift: 0.87,
                sentiment_inversion: 0.89,
                archetype_shift: 0.81,
                event: 'Wagner events'
            }
        ]
    },
    climate_summit: {
        name: "Climate Summit Coverage",
        period: "2023",
        narrative_divergence: [
            { date: '2023-10', western_kri: 0.19, brics_kri: 0.52,
divergence_delta: 0.33, semantic_drift: 0.45,
sentiment_inversion: 0.38, archetype_shift: 0.41 },
            { date: '2023-11', western_kri: 0.22, brics_kri: 0.58,
divergence_delta: 0.36, semantic_drift: 0.48,
sentiment_inversion: 0.42, archetype_shift: 0.44 },
            { date: '2023-12', western_kri: 0.25, brics_kri: 0.61,
divergence_delta: 0.36, semantic_drift: 0.51,
sentiment_inversion: 0.45, archetype_shift: 0.47 }
        ]
    },
    economic_sanctions: {
        name: "Economic Sanctions Coverage",
        period: "2022-2024",
        narrative_divergence: [
            { date: '2022-03', western_kri: 0.21, brics_kri: 0.74,
divergence_delta: 0.53, semantic_drift: 0.79,
sentiment_inversion: 0.83, archetype_shift: 0.69 },
            { date: '2022-06', western_kri: 0.24, brics_kri: 0.78,
divergence_delta: 0.54, semantic_drift: 0.82,
sentiment_inversion: 0.85, archetype_shift: 0.72 },
            { date: '2022-09', western_kri: 0.27, brics_kri: 0.81,
divergence_delta: 0.54, semantic_drift: 0.84,
sentiment_inversion: 0.87, archetype_shift: 0.74 }
        ]
    }
};

const languageEcosystems = {
```

```javascript
    western: {
        languages: ['English', 'French', 'German', 'Spanish',
'Italian'],
        archetypal_frames: ['Democratic Defender', 'Rules-Based
Order', 'Human Rights Advocate', 'Market Liberal'],
        dominant_narratives: ['Freedom vs Authoritarianism', 'Rule
of Law', 'Individual Rights', 'Open Society'],
        avg_baseline_kri: 0.24
    },
    brics: {
        languages: ['Russian', 'Chinese', 'Hindi', 'Portuguese
(BR)', 'Arabic'],
        archetypal_frames: ['Multipolar Advocate', 'Sovereignty
Defender', 'Development Partner', 'Anti-Hegemonic'],
        dominant_narratives: ['Multipolarity vs Unipolarity',
'Sovereignty Rights', 'Development Justice', 'Civilizational
Plurality'],
        avg_baseline_kri: 0.71
    }
};

const manipulationPatterns = {
    western_specific: [
        { pattern: 'Moral Universalism', frequency: 847, strength:
0.73, description: 'Framing local values as universal
principles' },
        { pattern: 'Democratic Legitimacy Anchoring', frequency:
623, strength: 0.68, description: 'Using democratic procedures
to justify actions' },
        { pattern: 'Human Rights Instrumentalization', frequency:
534, strength: 0.71, description: 'Selective application of
rights discourse' },
        { pattern: 'Market Logic Extension', frequency: 412,
strength: 0.66, description: 'Applying economic reasoning to
political issues' }
    ],
    brics_specific: [
        { pattern: 'Sovereignty Maximalism', frequency: 923,
strength: 0.79, description: 'Absolute sovereignty as overriding
principle' },
```

```javascript
      { pattern: 'Historical Grievance Activation', frequency:
712, strength: 0.82, description: 'Invoking colonial/imperial
injustices' },
      { pattern: 'Civilizational Exceptionalism', frequency:
645, strength: 0.77, description: 'Unique cultural/historical
circumstances' },
      { pattern: 'Development Priority Framing', frequency: 578,
strength: 0.74, description: 'Economic development over other
considerations' }
    ]
  };

  const narrativeBifurcationPoints = [
    {
      event: 'COVID-19 Origins',
      date: '2020-04',
      western_frame: 'Lab Leak Investigation',
      brics_frame: 'Anti-Asian Scapegoating',
      divergence_velocity: 0.73,
      irreversibility_score: 0.81
    },
    {
      event: 'Afghanistan Withdrawal',
      date: '2021-08',
      western_frame: 'Strategic Reorientation',
      brics_frame: 'Imperial Decline',
      divergence_velocity: 0.68,
      irreversibility_score: 0.74
    },
    {
      event: 'Russia-Ukraine Conflict',
      date: '2022-02',
      western_frame: 'Unprovoked Aggression',
      brics_frame: 'Proxy Confrontation',
      divergence_velocity: 0.89,
      irreversibility_score: 0.94
    },
    {
      event: 'Taiwan Tensions',
      date: '2022-08',
      western_frame: 'Democratic Defense',
```

```
      brics_frame: 'Reunification Rights',
      divergence_velocity: 0.76,
      irreversibility_score: 0.79
    }
  ];

  const currentData = geopoliticalEvents[selectedEvent];

  const COLORS = ['#3B82F6', '#EF4444', '#10B981', '#F59E0B',
'#8B5CF6', '#06B6D4'];

  const MetricCard = ({ title, value, subtitle, icon: Icon,
color, comparison }) => (
    <div className="bg-white rounded-lg p-6 shadow-lg
border-l-4" style={{ borderLeftColor: color }}>
      <div className="flex items-center justify-between">
        <div>
          <h3 className="text-sm font-medium text-gray-600
mb-1">{title}</h3>
          <p className="text-2xl font-bold
text-gray-900">{value}</p>
          <p className="text-sm text-gray-500
mt-1">{subtitle}</p>
          {comparison && (
            <div className="mt-2 flex items-center space-x-2">
              <div className="w-3 h-3 rounded-full
bg-blue-500"></div>
              <span className="text-xs text-gray-500">Western:
{comparison.western}</span>
              <div className="w-3 h-3 rounded-full
bg-red-500"></div>
              <span className="text-xs text-gray-500">BRICS:
{comparison.brics}</span>
            </div>
          )}
        </div>
        <Icon size={24} style={{ color }} />
      </div>
    </div>
  );
```

```jsx
  const EpistemicDivergenceMap = () => {
    const mapData = currentData.narrative_divergence.map((point,
index) => ({
      x: point.semantic_drift,
      y: point.sentiment_inversion,
      z: point.divergence_delta,
      date: point.date,
      event: point.event,
      size: point.divergence_delta * 100,
      western_reality: point.western_kri,
      brics_reality: point.brics_kri
    }));

    return (
      <div className="bg-white rounded-lg p-6 shadow-lg">
        <h3 className="text-lg font-semibold mb-4 flex
items-center">
          <Network className="mr-2 text-purple-600" size={20} />
          Epistemic Divergence Topology
        </h3>
        <ResponsiveContainer width="100%" height={350}>
          <ScatterChart data={mapData}>
            <CartesianGrid strokeDasharray="3 3" />
            <XAxis
              dataKey="x"
              name="Semantic Drift"
              label={{ value: 'Semantic Drift', position:
'insideBottom', offset: -5 }}
            />
            <YAxis
              dataKey="y"
              name="Sentiment Inversion"
              label={{ value: 'Sentiment Inversion', angle: -90,
position: 'insideLeft' }}
            />
            <Tooltip
              content={({ active, payload }) => {
                if (active && payload && payload.length) {
                  const data = payload[0].payload;
                  return (
```

```jsx
                        <div className="bg-white p--4 border
border-gray-300 rounded shadow-lg">
                            <p className="font-semibold
text-purple-900">{data.date}</p>
                            <p className="text-sm
text-gray-600">{data.event}</p>
                            <div className="mt-2 space-y-1 text-xs">
                                <p>Divergence Δ: <span
className="font-bold">{data.z.toFixed(3)}</span></p>
                                <p>Western Reality: <span
className="font-bold
text-blue-600">{data.western_reality.toFixed(3)}</span></p>
                                <p>BRICS Reality: <span
className="font-bold
text-red-600">{data.brics_reality.toFixed(3)}</span></p>
                            </div>
                        </div>
                    );
                }
                return null;
            }}
        />
        <Scatter
            dataKey="z"
            fill="#8B5CF6"
            fillOpacity={0.7}
        />
    </ScatterChart>
  </ResponsiveContainer>
</div>
    );
};


const BifurcationTimeline = () => (
    <div className="bg-white rounded-lg p-6 shadow-lg">
        <h3 className="text-lg font-semibold mb-4 flex
items-center">
            <GitBranch className="mr-2 text-orange-600" size={20} />
            Narrative Bifurcation Events
        </h3>
        <div className="space-y-4">
```

```jsx
        {narrativeBifurcationPoints.map((point, idx) => (
          <div key={idx} className="border-l-4 border-orange-500
pl-4 py-2">
            <div className="flex justify-between items-start">
              <div className="flex-1">
                <h4 className="font-semibold
text-gray-900">{point.event}</h4>
                <p className="text-sm text-gray-600
mt-1">{point.date}</p>
                <div className="mt-2 grid grid-cols-1
md:grid-cols-2 gap-2 text-xs">
                  <div className="bg-blue-50 p-2 rounded">
                    <span className="font-semibold
text-blue-800">Western Frame:</span>
                    <p
className="text-blue-700">{point.western_frame}</p>
                  </div>
                  <div className="bg-red-50 p-2 rounded">
                    <span className="font-semibold
text-red-800">BRICS Frame:</span>
                    <p
className="text-red-700">{point.brics_frame}</p>
                  </div>
                </div>
              </div>
              <div className="ml-4 text-right">
                <div className="text-sm">
                  <div
className="font-semibold">Irreversibility</div>
                  <div className={`text-lg font-bold ${
                    point.irreversibility_score > 0.8 ?
'text-red-600' :
                    point.irreversibility_score > 0.6 ?
'text-yellow-600' :
                    'text-green-600'
                  }`}>
                    {(point.irreversibility_score *
100).toFixed(0)}%
                  </div>
                </div>
              </div>
            </div>
```

```jsx
            </div>
          </div>
        ))}
      </div>
    </div>
  );

const ArchetypalRadar = () => {
  const radarData = [
    { frame: 'Authority Legitimacy', western: 0.85, brics:
0.34 },
    { frame: 'Individual Rights', western: 0.92, brics: 0.41
},
    { frame: 'Collective Harmony', western: 0.38, brics: 0.87
},
    { frame: 'Historical Justice', western: 0.42, brics: 0.91
},
    { frame: 'Economic Development', western: 0.67, brics:
0.89 },
    { frame: 'Cultural Sovereignty', western: 0.29, brics:
0.93 }
  ];

  return (
    <div className="bg-white rounded-lg p-6 shadow-lg">
      <h3 className="text-lg font-semibold mb-4 flex
items-center">
        <Compass className="mr-2 text-blue-600" size={20} />
        Archetypal Frame Comparison
      </h3>
      <ResponsiveContainer width="100%" height={300}>
        <RadarChart data={radarData}>
          <PolarGrid />
          <PolarAngleAxis dataKey="frame" tick={{ fontSize: 12
}} />
          <PolarRadiusAxis domain={[0, 1]} tick={{ fontSize:
10 }} />
          <Radar
            name="Western Media"
            dataKey="western"
            stroke="#3B82F6"
```

```jsx
              fill="#3B82F6"
              fillOpacity={0.3}
              strokeWidth={2}
            />
            <Radar
              name="BRICS Media"
              dataKey="brics"
              stroke="#EF4444"
              fill="#EF4444"
              fillOpacity={0.3}
              strokeWidth={2}
            />
            <Legend />
          </RadarChart>
        </ResponsiveContainer>
      </div>
    );
  };


  return (
    <div className="min-h-screen bg-gray-100 p-6">
      <div className="max-w-7xl mx-auto">
        <div className="bg-white rounded-lg shadow-lg mb-6 p-6">
          <div className="flex items-center justify-between mb-6">
            <div>
              <h1 className="text-3xl font-bold text-gray-900 flex items-center">
                <Globe className="mr-3 text-purple-600" size={32} />
                Cross-Lingual Narrative Divergence Engine
              </h1>
              <p className="text-gray-600 mt-2">
                Mapping civilizational epistemology through cross-bloc narrative topology analysis
              </p>
            </div>
            <div className="flex items-center space-x-4">
              <select
                value={selectedEvent}
```

```
                  onChange={(e) =>
setSelectedEvent(e.target.value)}
                  className="px-4 py-2 border border-gray-300
rounded-lg focus:ring-2 focus:ring-purple-500"
                >
                  <option value="ukraine_conflict">Ukraine
Conflict</option>
                  <option value="climate_summit">Climate
Summit</option>
                  <option value="economic_sanctions">Economic
Sanctions</option>
                </select>
                <select
                  value={languagePair}
                  onChange={(e) =>
setLanguagePair(e.target.value)}
                  className="px-4 py-2 border border-gray-300
rounded-lg focus:ring-2 focus:ring-purple-500"
                >
                  <option value="en-ru">English ↔ Russian</option>
                  <option value="en-zh">English ↔ Chinese</option>
                  <option value="fr-ar">French ↔ Arabic</option>
                  <option value="de-hi">German ↔ Hindi</option>
                </select>
                <input
                  type="range"
                  min="0.3"
                  max="1.0"
                  step="0.05"
                  value={divergenceThreshold}
                  onChange={(e) =>
setDivergenceThreshold(parseFloat(e.target.value))}
                  className="w-32"
                />
                <span className="text-sm text-gray-600">
                  Δ: {divergenceThreshold.toFixed(2)}
                </span>
              </div>
            </div>

            <div className="border-b border-gray-200 mb-6">
```

```jsx
            <nav className="-mb-px flex space-x-8">
              {[
                { id: 'overview', label: 'Divergence Overview',
icon: Eye },
                { id: 'topology', label: 'Epistemic Topology',
icon: Network },
                { id: 'patterns', label: 'Manipulation
Patterns', icon: Target },
                { id: 'bifurcation', label: 'Reality
Bifurcation', icon: GitBranch },
                { id: 'archetypal', label: 'Archetypal
Analysis', icon: Compass }
              ].map(({ id, label, icon: Icon }) => (
                <button
                  key={id}
                  onClick={() => setActiveTab(id)}
                  className={`py-2 px-1 border-b-2 font-medium
text-sm flex items-center ${
                    activeTab === id
                      ? 'border-purple-500 text-purple-600'
                      : 'border-transparent text-gray-500
hover:text-gray-700 hover:border-gray-300'
                  }`}
                >
                  <Icon size={16} className="mr-2" />
                  {label}
                </button>
              ))}
            </nav>
          </div>

          {activeTab === 'overview' && (
            <div className="space-y-6">
              <div className="grid grid-cols-1 md:grid-cols-4
gap-4">
                <MetricCard
                  title="Narrative Divergence Δ"

value={currentData.narrative_divergence[currentData.narrative_di
vergence.length - 1].divergence_delta.toFixed(3)}
                  subtitle="Cross-bloc reality gap"
```

```
                  icon={GitBranch}
                  color="#8B5CF6"
                  comparison={{
                    western:
currentData.narrative_divergence[currentData.narrative_divergenc
e.length - 1].western_kri.toFixed(3),
                    brics:
currentData.narrative_divergence[currentData.narrative_divergenc
e.length - 1].brics_kri.toFixed(3)
                  }}
                />
                <MetricCard
                  title="Semantic Drift Velocity"

value={currentData.narrative_divergence[currentData.narrative_di
vergence.length - 1].semantic_drift.toFixed(3)}
                  subtitle="Meaning space separation"
                  icon={Zap}
                  color="#EF4444"
                />
                <MetricCard
                  title="Archetype Shift Index"

value={currentData.narrative_divergence[currentData.narrative_di
vergence.length - 1].archetype_shift.toFixed(3)}
                  subtitle="Role inversion magnitude"
                  icon={Shield}
                  color="#F59E0B"
                />
                <MetricCard
                  title="Epistemic Synchrony"
                  value="0.127"
                  subtitle="Cross-bloc correlation"
                  icon={Activity}
                  color="#10B981"
                />
              </div>

              <div className="grid grid-cols-1 lg:grid-cols-2
gap-6">
```

```
<div className="bg-white rounded-lg p-6
shadow-lg">
    <h3 className="text-lg font-semibold
mb-4">Cross-Bloc KRI Trajectories</h3>
    <ResponsiveContainer width="100%"
height={300}>
        <LineChart
data={currentData.narrative_divergence}>
            <CartesianGrid strokeDasharray="3 3" />
            <XAxis dataKey="date" />
            <YAxis />
            <Tooltip />
            <Legend />
            <Line
                type="monotone"
                dataKey="western_kri"
                stroke="#3B82F6"
                strokeWidth={3}
                name="Western Media KRI"
            />
            <Line
                type="monotone"
                dataKey="brics_kri"
                stroke="#EF4444"
                strokeWidth={3}
                name="BRICS Media KRI"
            />
            <Line
                type="monotone"
                dataKey="divergence_delta"
                stroke="#8B5CF6"
                strokeWidth={2}
                strokeDasharray="5 5"
                name="Divergence Δ"
            />
        </LineChart>
    </ResponsiveContainer>
</div>

<div className="bg-white rounded-lg p-6
shadow-lg">
```

```jsx
                <h3 className="text-lg font-semibold
mb-4">Manipulation Component Analysis</h3>
                <ResponsiveContainer width="100%"
height={300}>
                    <AreaChart
data={currentData.narrative_divergence}>
                        <CartesianGrid strokeDasharray="3 3" />
                        <XAxis dataKey="date" />
                        <YAxis />
                        <Tooltip />
                        <Legend />
                        <Area
                          type="monotone"
                          dataKey="semantic_drift"
                          stackId="1"
                          stroke="#8B5CF6"
                          fill="#DDD6FE"
                          name="Semantic Drift"
                        />
                        <Area
                          type="monotone"
                          dataKey="sentiment_inversion"
                          stackId="1"
                          stroke="#EF4444"
                          fill="#FEE2E2"
                          name="Sentiment Inversion"
                        />
                        <Area
                          type="monotone"
                          dataKey="archetype_shift"
                          stackId="1"
                          stroke="#F59E0B"
                          fill="#FEF3C7"
                          name="Archetype Shift"
                        />
                    </AreaChart>
                </ResponsiveContainer>
              </div>
            </div>
          </div>
        )}
```

```jsx
          {activeTab === 'topology' && (
            <div className="space-y-6">
              <EpistemicDivergenceMap />
              <ArchetypalRadar />
            </div>
          )}

          {activeTab === 'patterns' && (
            <div className="space-y-6">
              <div className="grid grid-cols-1 lg:grid-cols-2 gap-6">
                <div className="bg-white rounded-lg p-6 shadow-lg">
                  <h3 className="text-lg font-semibold mb-4 flex items-center">
                    <div className="w-4 h-4 bg-blue-500 rounded mr-2"></div>
                    Western Media Manipulation Patterns
                  </h3>
                  <div className="space-y-3">
                    {manipulationPatterns.western_specific.map((pattern, idx) => (
                      <div key={idx} className="border-l-4 border-blue-500 pl-4 py-2 bg-blue-50">
                        <div className="flex justify-between items-center">
                          <h4 className="font-semibold text-blue-900">{pattern.pattern}</h4>
                          <span className="text-sm font--bold text-blue-700">
                            {(pattern.strength * 100).toFixed(0)}%
                          </span>
                        </div>
                        <p className="text-sm text-blue-800 mt-1">{pattern.description}</p>
                        <p className="text-xs text-blue-600 mt-1">
                          Frequency: {pattern.frequency} instances
```

```jsx
                </p>
              </div>
            ))}
          </div>
        </div>

        <div className="bg-white rounded-lg p-6
shadow-lg">
          <h3 className="text-lg font-semibold mb-4 flex
items-center">
            <div className="w-4 h-4 bg-red-500 rounded
mr-2"></div>
            BRICS Media Manipulation Patterns
          </h3>
          <div className="space-y-3">

{manipulationPatterns.brics_specific.map((pattern, idx) => (
              <div key={idx} className="border-l-4
border-red-500 pl-4 py-2 bg-red-50">
                <div className="flex justify-between
items-center">
                  <h4 className="font-semibold
text-red-900">{pattern.pattern}</h4>
                  <span className="text-sm font-bold
text-red-700">
                    {(pattern.strength *
100).toFixed(0)}%
                  </span>
                </div>
                <p className="text-sm text-red-800
mt-1">{pattern.description}</p>
                <p className="text-xs text-red-600
mt-1">
                  Frequency: {pattern.frequency}
instances
                </p>
              </div>
            ))}
          </div>
        </div>
      </div>
```

```
                <div className="bg-gradient-to-r from-purple-50
to-blue-50 rounded-lg p-6 border border-purple-200">
                  <h3 className="text-lg font-semibold
text-purple-900 mb-4">
                    Cross-Linguistic Pattern Symmetries
                  </h3>
                  <div className="grid grid-cols-1 md:grid-cols-3
gap-4 text-sm">
                    <div className="bg-white rounded p-4">
                      <h4 className="font-semibold text-purple-700
mb-2">Semantic Mirroring</h4>
                      <p className="text-gray-600">Identical
manipulation techniques applied to opposite semantic content
across language pairs.</p>
                    </div>
                    <div className="bg-white rounded p-4">
                      <h4 className="font-semibold text-purple-700
mb-2">Temporal Synchrony</h4>
                      <p className="text-gray-600">Coordinated
narrative shifts occurring simultaneously across different
language ecosystems.</p>
                    </div>
                    <div className="bg-white rounded p-4">
                      <h4 className="font-semibold text-purple-700
mb-2">Archetypal Inversion</h4>
                      <p className="text-gray-600">Systematic role
reversals where heroes become villains and vice versa across
linguistic boundaries.</p>
                    </div>
                  </div>
                </div>
              </div>
            )}

            {activeTab === 'bifurcation' && (
              <div className="space-y-6">
                <BifurcationTimeline />

                <div className="grid grid-cols-1 lg:grid-cols-2
gap-6">
```

```jsx
                    <div className="bg-white rounded-lg p-6
shadow-lg">
                    <h3 className="text-lg font-semibold
mb-4">Reality Tunnel Divergence</h3>
                    <ResponsiveContainer width="100%"
height={300}>
                    <LineChart
data={narrativeBifurcationPoints}>
                        <CartesianGrid strokeDasharray="3 3" />
                        <XAxis dataKey="date" />
                        <YAxis />
                        <Tooltip />
                        <Legend />
                        <Line
                          type="monotone"
                          dataKey="divergence_velocity"
                          stroke="#F59E0B"
                          strokeWidth={3}
                          name="Divergence Velocity"
                        />
                        <Line
                          type="monotone"
                          dataKey="irreversibility_score"
                          stroke="#EF4444"
                          strokeWidth={3}
                          name="Irreversibility Score"
                        />
                    </LineChart>
                    </ResponsiveContainer>
                    </div>

                    <div className="bg-white rounded-lg p-6
shadow-lg">
                    <h3 className="text-lg font-semibold
mb-4">Civilizational Epistemology Index</h3>
                    <div className="space-y-4">
                        <div className="bg-gradient-to-r
from-blue-100 to-blue-50 p-4 rounded-lg">
                        <h4 className="font-semibold text-blue-900
mb-2">Western Epistemic Coherence</h4>
```

```html
                                <div className="flex items-center
justify-between">
                                    <span className="text-blue-700">Internal
Consistency</span>
                                    <div className="flex items-center
space-x-2">
                                        <div className="w-24 h-2 bg-blue-200
rounded-full">
                                            <div className="w-3/4 h-full
bg-blue-600 rounded-full"></div>
                                        </div>
                                        <span className="text-sm font-bold
text-blue-800">74%</span>
                                    </div>
                                </div>
                                <div className="flex items-center
justify-between mt-2">
                                    <span
className="text-blue-700">Cross-Language Alignment</span>
                                    <div className="flex items-center
space-x-2">
                                        <div className="w-24 h-2 bg-blue-200
rounded-full">
                                            <div className="w-5/6 h-full
bg-blue-600 rounded-full"></div>
                                        </div>
                                        <span className="text-sm font-bold
text-blue-800">82%</span>
                                    </div>
                                </div>
                            </div>

                            <div className="bg-gradient-to-r
from-red-100 to-red-50 p-4 rounded-lg">
                                <h4 className="font-semibold text-red-900
mb-2">BRICS Epistemic Coherence</h4>
                                <div className="flex items-center
justify-between">
                                    <span className="text-red-700">Internal
Consistency</span>
```

```
                            <div className="flex items-center
space-x-2">
                              <div className="w-24 h-2 bg-red-200
rounded-full">
                                <div className="w-4/5 h-full
bg-red-600 rounded-full"></div>
                              </div>
                              <span className="text-sm font-bold
text-red-800">79%</span>
                            </div>
                          </div>
                          <div className="flex items-center
justify-between mt-2">
                            <span
className="text-red-700">Cross-Language Alignment</span>
                            <div className="flex items-center
space-x-2">
                              <div className="w-24 h-2 bg-red-200
rounded-full">
                                <div className="w-2/3 h-full
bg-red-600 rounded-full"></div>
                              </div>
                              <span className="text-sm font-bold
text-red-800">67%</span>
                            </div>
                          </div>
                        </div>

                        <div className="bg-gradient-to-r
from-purple-100 to-purple-50 p-4 rounded-lg">
                          <h4 className="font-semibold
text-purple-900 mb-2">Cross-Bloc Convergence Potential</h4>
                          <div className="flex items-center
justify-between">
                            <span className="text-purple-700">Shared
Reality Space</span>
                            <div className="flex items-center
space-x-2">
                              <div className="w-24 h-2 bg-purple-200
rounded-full">
```

```jsx
                              <div className="w-1/3 h-full
bg-purple-600 rounded-full"></div>
                            </div>
                            <span className="text-sm font-bold
text-purple-800">31%</span>
                          </div>
                        </div>
                      </div>
                    </div>
                  </div>
                </div>
              )}

              {activeTab === 'archetypal' && (
                <div className="space-y-6">
                  <ArchetypalRadar />

                  <div className="grid grid-cols-1 lg:grid-cols-2
gap-6">
                    <div className="bg-white rounded-lg p-6
shadow-lg">
                      <h3 className="text-lg font-semibold
mb-4">Semantic Field Mapping</h3>
                      <div className="space-y-4">
                        <div className="border-l-4 border-blue-500
pl-4">
                          <h4 className="font-semibold
text-blue-900">Western Semantic Clusters</h4>
                          <div className="mt-2 flex flex-wrap
gap-2">
                            {['Democracy', 'Freedom', 'Human
Rights', 'Rule of Law', 'Individual Liberty', 'Market Economy',
'Transparency', 'Accountability'].map((term, idx) => (
                              <span key={idx} className="px-3 py-1
bg-blue-100 text-blue-800 text-sm rounded-full">
                                {term}
                              </span>
                            ))}
                          </div>
                        </div>
```

```jsx
                    <div className="border-l-4 border-red-500
pl-4">
                        <h4 className="font-semibold
text-red-900">BRICS Semantic Clusters</h4>
                        <div className="mt-2 flex flex-wrap
gap-2">
                            {['Sovereignty', 'Multipolarity',
'Development', 'Civilization', 'Traditional Values',
'Anti-Hegemony', 'South-South Cooperation', 'Cultural
Diversity'].map((term, idx) => (
                                <span key={idx} className="px-3 py-1
bg-red-100 text-red-800 text-sm rounded-full">
                                    {term}
                                </span>
                            ))}
                        </div>
                    </div>

                    <div className="border-l-4 border-purple-500
pl-4">
                        <h4 className="font-semibold
text-purple-900">Contested Semantic Space</h4>
                        <div className="mt-2 flex flex-wrap
gap-2">
                            {['Security', 'Justice', 'Progress',
'Stability', 'Prosperity', 'Peace'].map((term, idx) => (
                                <span key={idx} className="px-3 py-1
bg-purple-100 text-purple-800 text-sm rounded-full">
                                    {term}
                                </span>
                            ))}
                        </div>
                    </div>
                </div>
            </div>

            <div className="bg-white rounded-lg p-6
shadow-lg">
                <h3 className="text-lg font-semibold
mb-4">Language Ecosystem Analysis</h3>
```

```jsx
<div className="space-y-4">
  {Object.entries(languageEcosystems).map(([bloc, data]) => (
    <div key={bloc} className={`p-4 rounded-lg
${bloc === 'western' ? 'bg-blue-50' : 'bg-red-50'}`}>
      <h4 className={`font-semibold mb-2
${bloc === 'western' ? 'text-blue-900' : 'text-red-900'}`}>
        {bloc.charAt(0).toUpperCase() +
bloc.slice(1)} Media Ecosystem
      </h4>
      <div className="text-sm space-y-2">
        <div>
          <span
className="font-medium">Languages:</span>
          <span className={`ml-2 ${bloc ===
'western' ? 'text-blue-700' : 'text-red-700'}`}>
            {data.languages.join(', ')}
          </span>
        </div>
        <div>
          <span
className="font-medium">Baseline KRI:</span>
          <span className={`ml-2 font-bold
${bloc === 'western' ? 'text-blue-700' : 'text-red-700'}`}>
            {data.avg_baseline_kri.toFixed(3)}
          </span>
        </div>
        <div>
          <span
className="font-medium">Dominant Archetypes:</span>
          <div className="mt-1 flex flex-wrap
gap-1">
            {data.archetypal_frames.map((frame, idx) => (
              <span key={idx} className={`px-2
py-1 text-xs rounded ${
                bloc === 'western' ?
'bg-blue-200 text-blue-800' : 'bg-red-200 text-red-800'
              }`}>
                {frame}
              </span>
```

```
                  ))}
                </div>
              </div>
            </div>
          </div>
        ))}
        </div>
      </div>
    </div>

    <div className="bg-gradient-to-r from-gray-50
to-gray-100 rounded-lg p-6 border border-gray-300">
      <h3 className="text-lg font-semibold
text-gray-900 mb-4 flex items-center">
        <Layers className="mr-2 text-gray-600"
size={20} />
        Multilingual Processing Pipeline
      </h3>
      <div className="grid grid-cols-1 md:grid-cols-4
gap-4 text-sm">
        <div className="bg-white rounded p-4 border
border-gray-200">
          <h4 className="font-semibold text-gray-900
mb-2">1. Data Ingestion</h4>
          <ul className="text-gray-600 space-y-1">
            <li>• XLM-R embeddings</li>
            <li>• Parallel corpora alignment</li>
            <li>• GDELT event mapping</li>
            <li>• Temporal synchronization</li>
          </ul>
        </div>
        <div className="bg-white rounded p-4 border
border-gray-200">
          <h4 className="font-semibold text-gray-900
mb-2">2. Cross-Lingual KRI</h4>
          <ul className="text-gray-600 space-y-1">
            <li>• Semantic drift calculation</li>
            <li>• Sentiment alignment analysis</li>
            <li>• Archetype mapping</li>
            <li>• Divergence quantification</li>
          </ul>
```

```jsx
                </div>
                <div className="bg-white rounded p-4 border
border-gray-200">
                    <h4 className="font-semibold text-gray-900
mb-2">3. Pattern Detection</h4>
                        <ul className="text-gray-600 space-y-1">
                            <li>• Manipulation symmetries</li>
                            <li>• Coordinated narratives</li>
                            <li>• Bifurcation events</li>
                            <li>• Reality tunnel mapping</li>
                        </ul>
                </div>
                <div className="bg-white rounded p-4 border
border-gray-200">
                    <h4 className="font-semibold text-gray-900
mb-2">4. Epistemic Analysis</h4>
                        <ul className="text-gray-600 space-y-1">
                            <li>• Civilizational coherence</li>
                            <li>• Cross-bloc comparison</li>
                            <li>• Convergence potential</li>
                            <li>• Strategic implications</li>
                        </ul>
                </div>
            </div>
          </div>
        </div>
      )}
    </div>
  </div>
  );
```