

```

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2   "version": "0.2",
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6   "interpolation": "monotone spline",
7   "features":
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9     // defining the upper mantle
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12      "min depth": 95e3, "max depth": 660e3,
13      "coordinates": [[-1, -1], [41, -1], [41, -1], [-1, -1]],
14      "temperature models":
15      [
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17          "model": "linear", "min depth": 95e3, "max depth": 660e3,
18          "top temperature": 1600, "bottom temperature": 1820
19        }
20      ],
21      "composition models": [{"model": "uniform", "compositions": [4]}]
22    },
23    // defining the lower mantle layer
24    {
25      "model": "mantle layer", "name": "lower mantle",
26      "min depth": 660e3, "max depth": 1160e3,
27      "coordinates": [[-1, -1], [41, -1], [41, -1], [-1, -1]],
28      "temperature models":
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31          "model": "linear", "min depth": 660e3, "max depth": 1160e3,
32          "top temperature": 1820, "bottom temperature": 2000
33        }
34      ],
35      "composition models": [{"model": "uniform", "compositions": [5]}]
36    },
37    // defining the oceanic plate
38    {
39      "model": "oceanic plate", "name": "oceanic plate",
40      "coordinates": [[-1, -1], [-1, 41], [15, 41], [15, 20], [5, 10], [5, -1]],
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43      "composition models":
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45        {"model": "uniform", "compositions": [0], "max depth": 10e3},
46        {"model": "uniform", "compositions": [1], "min depth": 10e3,
47         "max depth": 95e3}
48      ]
49    },
50    // defining the continental plate
51    {
52      "model": "continental plate", "name": "continental plate",
53      "coordinates": [[41, 41], [15, 41], [15, 20], [5, 10], [5, -1], [41, -1]],
54      "temperature models": [{"model": "linear", "max depth": 120e3,
55       "bottom temperature": 1600}],
56      "composition models":
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58        {"model": "uniform", "compositions": [2], "max depth": 30e3},
59        {"model": "uniform", "compositions": [3], "min depth": 30e3,
60         "max depth": 120e3}
61      ]
62    },
63    // defining the subducting plate
64    {
65      "model": "subducting plate", "name": "Subducting plate",
66      "coordinates": [[15, 41], [15, 25], [5, 5], [5, -1]], "dip point": [20, 0],
67      "segments": [{"length": 200e3, "thickness": [95e3], "angle": [0, 45]},
68                  {"length": 400e3, "thickness": [95e3], "angle": [45]},
69                  {"length": 200e3, "thickness": [95e3], "angle": [45, 0]},
70                  {"length": 100e3, "thickness": [95e3], "angle": [0]}],
71      "temperature models":
72      [{"model": "plate model", "density": 3300, "plate velocity": 0.05 }],
73      "composition models":
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75        {"model": "uniform", "compositions": [0], "max distance slab top": 10e3},
76        {"model": "uniform", "compositions": [1], "min distance slab top": 10e3}
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78    }
79  ]
80 }

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