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for(int i = 0; i < 42; i+=7){
    __m256d dR = _mm256_loadu_pd(&P[i]);

    __m256d dA = _mm256_loadu_pd(&P[i + 3]);
    __m256d dA_201 = CROSS_SHUFFLE_201(dA);
    __m256d dA_120 = CROSS_SHUFFLE_120(dA);

    __m256d d0 = _mm256_sub_pd(_mm256_mul_pd(H0_201, dA_120), _mm256_mul_pd(H0_120, dA_201));

    if(i==35){
        d0 = _mm256_add_pd(d0, V0_012);
    }

    __m256d d2 = _mm256_add_pd(d0, dA);
    __m256d d2_201 = CROSS_SHUFFLE_201(d2);
    __m256d d2_120 = CROSS_SHUFFLE_120(d2);

    __m256d d3 = _mm256_sub_pd(_mm256_add_pd(dA, _mm256_mul_pd(d2_120, H1_201)), _mm256_mul_pd(d2_201, H1_120));
    __m256d d3_201 = CROSS_SHUFFLE_201(d3);
    __m256d d3_120 = CROSS_SHUFFLE_120(d3);

    if(i==35){
        d3 = _mm256_add_pd(d3, _mm256_sub_pd(V3_012, A_012));
    }

    __m256d d4 = _mm256_sub_pd(_mm256_add_pd(dA, _mm256_mul_pd(d3_120, H1_201)), _mm256_mul_pd(d3_201, H1_120));

    if(i==35){
        d4 = _mm256_add_pd(d4, _mm256_sub_pd(V4_012, A_012));
    }

    __m256d d5 = _mm256_sub_pd(_mm256_add_pd(d4, d4), dA);
    __m256d d5_201 = CROSS_SHUFFLE_201(d5);
    __m256d d5_120 = CROSS_SHUFFLE_120(d5);

    __m256d d6 = _mm256_sub_pd(_mm256_mul_pd(d5_120, H2_201), _mm256_mul_pd(d5_201, H2_120));

    if(i==35){
        d6 = _mm256_add_pd(d6, V6_012);
    }

    _mm256_storeu_pd(&P[i], _mm256_add_pd(dR, _mm256_mul_pd(_mm256_add_pd(d2, _mm256_add_pd(d3, d4)), S3_012)));
    _mm256_storeu_pd(&P[i + 3], _mm256_mul_pd(C_012, _mm256_add_pd(d0, _mm256_add_pd(d3, _mm256_add_pd(d3, _mm256_add_pd(d5, d6))))));
}

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